

# VHF-UHF DIGEST

...AND TORNADOES REPORTED  
IN LOUISIANA. THIS ACTIVITY  
IS EXPECTED TO MOVE EAST  
THIS EVENING. LOCALLY...

MAY 1975

— PSSST!  
I'm getting  
SKIP!!! —

CANAL  
805  
XEW 2

Wanda Price



# **publishers' notes...**

**WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA**

**TWENTY YEARS AGO...**following items appeared in the May 1955 bulletin of the AIPA (American Ionospheric Propagation Association): "Logging of the Month--KTVX-8 Muskogee, OK by Bob Seybold of Dunkirk, NY via meteor-scatter at 972 miles on 4-16-55. On the Editorial Page, consideration was being made to increase the annual dues from \$1.00 to \$1.50. This issue also included the following features and columns: "Ionospheric Propagation Predictions", "International DX News", "Special Feature: More On Antennas--the V Antenna and Skip", "Western DX", "Eastern DX", "Western Hemisphere TV Log--Part two", "Station Information", and "Co-Channel Interference".

**METEOR SCATTER...**those interested in meteor-scatter (MS) propagation might be interested in the "Amateur Radio-astronomy Newsletter." It is a 2-4 page computer printout of general interest that can be had for a large SASE each month to: Kelly Armes, Hwy 57 S., R. R. 2, Washington, IN 47501, or Jeff Grea, 1425 Brett Cable Road, Washington, IN 47501.

**THANK YOU ELEMENTARY ELECTRONICS...**an excellent article introducing readers to TV DX appears in the May-June issue of ELEMENTARY ELECTRONICS. Written by shortwave DXer Don Jensen, this fine article also gives the WTFDA a nice plug.

**WTFDA TV STATION GUIDE...**the first copies of the new WTFDA TV Station Guide will be mailed the first week of May (who knows---you may receive your Station Guide the same day as your tax rebate!)

**WHERE IT ALL GOES...**ever wonder why it costs \$11.00 per year to belong to the WTFDA?? \$2.76 goes just for postage; \$.24 for envelopes (12); \$6.00 printing cost (based on year-end average VUD size of 40 pages); the remaining \$2.00 represents an allowance for future price increases, plus miscellaneous expenses including information mailings, promotional material, office supplies and occasional office services.

**TV RECEIVERS OF THE FUTURE...**Part II of Morrie Goldman's feature "TV Receivers of the Future" will appear in the June VUD, and not in this month's issue as indicated last month. It's worth waiting for!



# FCC TV NEWS - DATA

Dave Pomeroy  
KTWU-Channel 11  
Signal Hill  
Topeka, Kansas  
66604

May 1975

## AUTHORIZED STARTS (FCC)

WMEG-TV (26) Biddeford, ME 589kw 795AAT

## CP'S GRANTED

Ft. Smith, AR (24) 513kw 920.6AAT  
Albuquerque, NM (23) 11.7kw -25 AAT  
(Spanish Television of New Mexico)

## APPLICATIONS

State College, PA (29) 630kw 1,109AAT

## NEW CALL LETTERS

WOWK-TV Huntington, WV from WHTN-TV  
\*WHRM-TV Wausau, WI (new TV)  
WPCB Pittsburgh, PA (new TV)  
KDTV San Francisco, CA (new TV)

## TRANSLATORS GRANTED

W56AH Woodhull, NY	WSKG-46
K03EA Alukanuk, AK	KYUK-4
K02HX Upper Piedra, CO	KOAT-7
W58AD Addison, NY	WSKG-46
W57AD Cameron, NY	WSKG-46
W66AD Canistro/Hornell, NY	WSKG-46
W68AD Corning, NY	WSKG-46
W60AD Savona, NY	WSKG-46
W55AC Cohocton/Avoca, NY	WSKG-46
K06IH Ponderosa Basin, CA	KNTV-11
W39AA Ft. Wayne, IN	WBGU-57
K60AP Bottle Creek, NV	KOLO-8
W56AG Franklin, NC	WUNE-17
K60AD Redwood Falls, MN (from ch 50)	
W09AY Asheville, NC (from ch 8)	
W08BP Woodfin, NC (from ch 9)	
W12BA Saltillo, PA	WPSX-3
W34AB Knoxville, TN	WBIR-10
K59AK Garfield County, UT	KUTV-2
K61AH Garfield County, UT	KCPX-4
K63AG Garfield County, UT	KSL-5
K11MC Lake Havasu City, AZ (was ch 9)	
W56AF Silver Creek, NY	WNED-17
K08IC New Pine Creek, OR	KIXE-6
K66AM Williams, AZ	KPHO-5
K07LQ Grand Canyon, AZ	KPHO-5
K04HT Hardin, MT	KTVQ-2
K07NJ Delta Junction, AK (from ch 3)	
W64AD Cedartown, GA	WCLP-18
W48AB Columbus, GA	WJSP-28
W27AA Draketown, GA	WCLP-18
W51AB Elinstone, GA (from ch 83)	
W35AA Lafayette, GA (from ch 71)	
K08IH Linn, KS	KTSB-27
W55AE Manistique, MI	WLUC-6
K13NH Little Salmon River, IDKIVI-6	
K05FQ Olive, MT	KTVQ-2
K10JF Salt Creek, MT	KFBB-5
K12JQ Salt Creek, MT	KRTV-3
W55AD Greenwood, NY	WSKG-46
W69AF Troupsburg, NY	WSKG-46
K13AX Phillip, SD (to ch 12)	

## TRANSLATOR GRANTS (continued)

K61AK Navajo Mountain, UT	KOAI-2
K07NI Jeffrey City, WY	KWRB-10
K11MN Jeffrey City, WY	KDUH-4
K09MI Jeffrey City, WY	(from ch 8)
K05FP Ponderosa Basin, CA	(from ch 6)
K04HZ Palisade, NE	KLOE-10
K60AS Crystal Bay, NV	KTVN-2
K64AL Edgemont, SD	KBHE-9
K55AV Pringle, SD	KBHE-9
W41AB Ruckersville, VA	WVPT-51
K07ND Healey, AK	KUAC-9
K07NG Slope Pipeline Camp, AK	KFAR-2
K07NF Slope Pipeline Camp, AK	KTVF-11
K51AA Inyokern, CA	KERO-23
K57AK Inyokern, CA	KNXT-2
K59AO Inyokern, CA	KNBC-4
K61AJ Inyokern, CA	KTLA-5
K63AJ Inyokern, CA	KABC-7
K65AM Inyokern, CA	KHJ-9
K69AS Inyokern, CA	KCOP-13
K53AB Inyokern, CA	KBAK-29
K02HY Ridgecrest, CA	KNXT-2
K04HX Ridgecrest, CA	KNBC-4
K05FO Ridgecrest, CA	KTLA-5
K07NH Ridgecrest, CA	KABC-7
K09MG Ridgecrest, CA	KHJ-9
K11ML Ridgecrest, CA	KTTV-11
K13NF Ridgecrest, CA	KCOP-13
K11MM Fairplay, CO	KRDO-13
K63AI Kaumakani, HI	KHET-11
K09HY Glasgow, MT	to KRTV-3
K73BN Glasgow, MT	to KRTV-3
K57AJ Glasgow, MT	to KRTV-3
K09MH White Sulphur Spgs., MT	KXLF-4
W69AE Almond, NY	WSKG-46
W56AI Hammondsport, NY	WSKG-46
K07NE Lisbon, ND	KFME-13
K04HY Big Bend Park, TX	KMID-2
K13NG Big Bend Park, TX	KMOM-9
K06IK Crooks Gap, WY	KDUH-4
K08IG Sweetwater, WY	KTW0-2

## TRANSLATOR AUTHORIZATIONS CANCELLED

K06AF Aspen, CO  
K07GD Glenwood, Springs, CO  
K09GJ K11GN K13HD Clarinda, IA  
K10IU Silver City, NM  
W79AW New York City, NY  
K04BV Tierral-Del-Mar, OR  
K78CR Keosauqua, IA  
K71CE Ottumwa, IA  
K02FD Crookston, ND  
K07FJ Sioux Falls, SD  
K68AA Spring Glen, UT  
W05AJ Boulder Junction, WI  
W76AD Vero Beach, FL  
W83AI Melbourne, FL  
K70CL Ft. Dodge, IA  
K73AN Owensboro, KY



# You Know You're REALLY A DXER When...

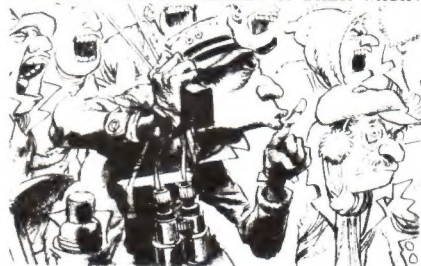
captions and  
composition by  
Clarke Ingram

You Know You're REALLY A DXER When...



...you leave your \$30,000 house for a shack 75 miles away just to escape the @#%&!! locals.

You Know You're REALLY A DXER When...



...you ask the football crowd to be quiet so you can ID the Es station you're receiving on your portable.

You Know You're REALLY A DXER When...



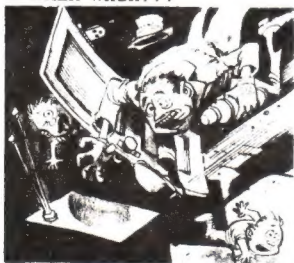
...you miss the funeral of a friend on Monday because you're too upset over that opening you missed Sunday.

You Know You're REALLY A DXER When...



...you visit the house of someone you hate because he's just gotten a color set with UHF detent tuning.

You Know You're REALLY A DXER When...



...you rush home from the office after being phoned about a super tropo duct halfway into Mexico.

You Know You're REALLY A DXER When...



...you stay up every night memorizing call and channel of every North American station.

You Know You're REALLY A DXER When...



...you rediscover a childhood prayer because the Es is fading out with one minute before ID time.

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---CWI

# FCC FM NEWS

Bruce E. Elving, Editor. New Address:  
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## New Construction Permits

AL Unior Springs 100.9 r 3000 h,v; 275/  
CA China Lake, Ridgecrest & Inyokern (next 4)  
K224AF 92.75 r [KLOS 95.5 L.A. transfr.]  
K261AC 100.13 m [KOTE106.3 Lancaster CA]  
K288AX 105.53 m [KOST103.5 L.A.]  
K296A 107.13 c [KAC-FM 102.3 L.A.] Mutual  
"K261AC" granted on 100.1, but no record of  
a K261AB! [Salida CO translator] I/  
CO Buena Vista 100.3 K292AN k [KVRH-FM 92.1  
CO Durango \*91.9 10  
CO Longmont KCDC \*90.7 10 h,v  
ME Westbrook 100.9 v (Initial decision to  
Japat Co.; power, ht. not known)  
MN Sauk Rapids (St. Cloud suburb) 101.7  
3000 h,v; 300' k 15 mi. primary 48 sec'n'y  
NM Albuquerque (rural area) 36°10'52"; 106°20'28"  
K285AD 104.93 m [KOB-FM 93.3 Albuquerque, N.M.]  
OH Johnstown 103.1 3000 h,v; 300' 15 & 48 mi  
OR Coquille 102.3 3000 h,v; 33' 6 & 26 mi  
TX Beeville 104.9 3000 h,v; 300' 15 & 48 mi  
TX Pleasanton 98.3 3000; 230' 13 & 45 mi  
UT Coalville K288AT 105.53 m [KSL-FM-100.3]  
UT Provo 94.9 r 29000 h,v; -640' 8 & 29 mi  
VA Kilmarnock 101.7 1900 h,v; 235' m 12 & 15  
VA Richards 105.5 400 h,v; 798' 15 & 47  
WY Jeffrey City K280AF 103.93 m [KAWY 94.5  
WY Lander 97.5 25000 h,v -430', [Casper WY]  
8 and 28 miles. K285AA, AC on 104.9 missing  
Coverages, to the 1000 mv/m (primary) and  
the 50 uv/m (secondary) contours, are now  
given, since I am keypunching them anyway!

## On Air and DX Ready!

AZ Sun City KWAO 106.3 3000 h,v; 97'  
CA Tifton WCUP 100.3 100000 h,v; 578'  
ID Idaho Falls KIBQ \*91.9 10  
MI Battle Creek WDFP 95.3 3000 h,v; 270'  
MI Harrison WKKM 92.1 3000; 300'  
MT Havre KPXC 92.5 100000 h,v; 1789'  
NE Lincoln KBHL 95.3 3000 h,v; 115'  
NM Humble City KPQE 94.1 100000 h,v; 330'  
NY Henrietta W1TR \*89.7 10 [Calls, too]  
SD Mitchell KMIT 102.3 3000 h,v; 300' /  
TX Borger KBBB-FM 104.3 26000 h,v; 175' /  
UT Beaver KBBD \*90.1 10; WI Burlington WBSO  
\*89.1 10 watts

## On Air with Changes (Selected)

IL Harrisburg WEBQ-FM 99.9 50000 h,v; 310'  
IN Kokomo WKKI 100.5 20000 h,v; 470' mono  
KY Paducah KADM-FM 96.9 70000; 337'  
NY Rochester WRUR \*88.5 970; 120'; UPI Aud.  
OH Cincinnati WVXU \*91.7 65; 6500  
TN Tullahoma WJIG-FM 93.3 100000 h,v; 230'  
VA Lexington WLUR \*91.5 175; -175'  
WA Bellevue KBKS \*91.3 100; 210'

## Changes

CA Redlands KCAL-FM 96.7 3000 h,v; 300' /  
FL Ft. Walton Beach WFTW-FM 99.3 adds V/  
GA Atlanta WKLS 96.1 930' (100000 h,v) 48  
65 mi. 1D Blackfoot KBLL-FM 97.7 130'  
(3000 h,v); CALLS, Toot 9 & 39 miles  
IL Litchfield WSMI-FM 106.1 39000 h,v  
(175') 20 and 68 miles. IN Gaston WDH  
from \*89.9 to \*90.9 (10 w.). LA Laplace  
(town now spelled with one word, not  
"La Place") WKCW 92.3 55000 h,v; 260'  
ME Lincoln WLNK-FM 99.3 1750 h,v; 380',  
15 and 47 miles. MD Morningside WPGC-  
FM 95.5 480' 50000 h,v; directional ant.  
MI Albion WUFN 96.7 1200 h,v; 460' 15 & 47  
MI Sault Ste. Marie WSMH from 92.7 to  
99.5 26500; 275', 22 and 67 miles  
MN Bemidji W28AD 93.5 (from 92.7; calls  
from W224AB), gc UPI Audio (KFWN-FM  
97.9 Fargo ND translator; no record of a  
W28AA, AB, or AC!) [h,v; 14 & 47 mi  
MN Detroit Lakes KVLR 95.3 275' (3000 /  
NH Berlin WXLQ 103.7 17000 (160') 17 & 56  
NY Hempstead WHLI-FM 98.3 300' (3000 h,v,  
15 & 48 mi); New York City WKCR-FM-  
\*89.9 700 h,v; 1370' 22 and 60 miles—  
identical in coverage to that achieved  
with their former power and height!  
NC Elizabeth City WMYK 93.7 80000 h,v;  
940', 46 and 92 miles [680', 42 & 92 mi  
ND Bismarck KBMR-FM 94.5 100000 h,v;  
OH Cleveland WWWW 107.7 880' (27000 h,v,  
38 & 80 mi. OK Oklahoma City KFNB 101.9  
63000 h,v (420') 33 and 82 miles [22 & 70  
SC Beaufort WBEU-FM 98.7 36000 h,v (225') /  
RI Middletown WOTB 107.1 295' (3000 h,v)  
SC W. Columbia WSCQ 100.1 2400 h,v; 330'  
15 and 48 mi. [41 and 92 mi.  
TN Jackson WTJS-FM 104.1 100000 h,v; 655'  
TX Kerrville KPFM 94.3 105' (3000 \*) 93 & 37  
TX Midland KBAT 93.3 100000 h,v; 440' 36, 90  
WA Spokane KPBX \*91.1 4172; 542' 21 & 58  
mi. Power increase from 10 w approved  
by FCC over KHQ-TV (ch.6) objection.

## Station Off Frequency

IA Denison KDSN-FM 107.1 has been heard  
for several months on 107.3 or 107.4.

## Dual-City IDs Granted

AL Carrollton WAOI 94.1 Carrollton-  
Aliceville AL; FL Tampa WUSF \*89.7 to  
include St. Petersburg; FL Pompano  
Beach WCKO 102.7 with Ft. Lauderdale  
IL Elmwood Park WXFH 105.9 adds Chicago  
IL Winnebago WYFE-FM 95.3 adds Rockford  
TX Sinton KDUL 103.3 adds Portland TX  
VA Suffolk WFOG 92.9 adds Norfolk

## SCA (67 kHz) Granted

CA Big Bear Lake KTOT-FM 101.7  
CA Santa Barbara KCSB-FM \*91.5  
FL Clearwater-St. Petersburg WQXM 97.9  
IN Monticello WVTL 95.3 OK Tulsa KKUL  
NE Omaha KGBI 100.7 103.3  
MA New Bedford WGGY 97.3 MN Austin  
PA Braddock WLOA-FM 96.9 KAUS-FM 99.9  
PA Wellsboro-Mansfield WGR 104.5  
TN Collegedale WSMC \*90.7 UT Logan KUSU  
TN Memphis WREC-FM 102.7 "FM" \*91.5

## Call Letters' Assignments

AZ Flagstaff 93.9 KCTB-FM  
CA Fremont \*90.1 KAHK  
CO Grand Junction \*91.3 KMSA  
FL Green Cove Springs 92.7 WKXJ  
FL Jacksonville 107.3 WJEE  
FL Lehigh Acres 107.1 WAKY-FM  
FL Tampa 100.7 WAVV (WDAE-FM), now mor  
GA Savannah \*88.5 WHCJ (from WNNB)  
GA Statesboro \*91.3 WWSG IA Cedar Rapids  
IL Clinton 95.9 WHOW-FM 102.9 KQCR (was  
IN Fort Wayne \*90.3 WBCL KICR) \$, rock  
KY Jenkins 94.3 WREM-FM TN Mem-  
ME Rumford 96.3 WRUM-FM (WKAA) \$, still m  
MO Bowling Green 100.9 KPCR-FM WFL  
NY Hammondsport 98.3 WVIN-FM (WEXT)  
NY Olean 95.7 WEBF (WHOL-FM) \$, still m  
TX El Paso 92.3 KSOL WV EL-  
UT Tabiona 95.3 K237AM (K237AA) kins \*90.3  
WA Bellevue 92.5 K237AM (K237AA) WODE  
WY Laramie 95.3 K237AA (K237AM)  
WI Kenosha \*91.1 WGTD (Broadcasting  
Yearbook '75 gives WGTD's frequency as  
\*91.51)

## Deletion

WA Ellensburg KWKS \*91.5  
**Vertical Polarization Confirmed**  
AL Demopolis WMAN 106.3; IN N. Vernon  
WOCH-FM 106.1; MI Ann Arbor W1QB 102.9  
MN Richfield WYOO-FM 103.3; NJ Trenton  
W1SR \*91.3; NY Geneva WEOS-FM \*89.7  
OH Toledo W1OT 104.7; TX Dallas KCHU  
\*90.9 PR Carolina WOLA-FM 107.7

## Stereo Stations

TN Columbus WWWW 104.9 rock & mor music  
KY Russellville WAKQ 101.1 and vertical  
MO Poplar Bluff KPBM 94.5 rock

## Network Changes:

IA Humboldt KHBT 97.7 ABC-FM & Contemp.  
IA Des Moines KMII 93.3 & Cedar Rapids  
KTFO 104.5 drop Associated Press Audio  
PA Philadelphia WYSP 94.1 ABC-FM  
OR Portland KJIB 99.5 ABC-FM  
OH Cincinnati WKRP 101.9 ABC-FM (drops A  
NY Buffalo WGRQ 96.9 ABC-FM; WBNY 96.1/

## Readers' Reports and Comments about FM KUNI, KXEL-FM, KLFM. . .

The big ice and windstorm of March 27 knocked off several midwest FM stations. KUNI \*90.9 Cedar Falls IA sustained antenna damage, but expected to be back on the air by late April. KXEL-FM 105.7 Waterloo IA lost the top 100' of its tower; expects to be off the air "indefinitely." KRSW \*91.7 Pipestone MN lost its tower; expects to be off at least 60-90 days (perhaps KLOH-FM 98.7 is also off). KLFM 104.1 Ames lost its tower; transmitting from a downtown building with 250 watts; antenna below average terrain; terrible signal at 9 miles; will be at this power for many months. For most of the evening of March 27 all Des Moines and Ames stations were off the air, incl. TV.



WKAU-FM 104.9 Kaukauna WI now \$, while WAPL-FM 105.7 Appleton has no plans to resume \$, having dropped IGM programs. WBKV-FM 92.5 West Bend WI will be testing their new 50 kw transmitter in April. Extra-columnarly (or extra-clubly?), the illegal "Menominee Warriors" [Indian] station announces as 1600 kHz, but has been heard on 1580, causing interference to WAPL (AM, 1570) in the Shawano area. WTCH-FM Shawano still on 100.1, although authorized to move to 99.3 for several years. Heard testing: WJPD-FM 92.3 Ishpeming MI; will be country music.

Stereo confirmed: WBCH-FM 100.1 Hastings MI, WIMA-FM 102.1 Lima OH ( " music); WHYP-FM 100.9 North East PA not \$; WPAY-FM 104.1 Portsmouth OH is gospel music, preaching.

Off the air? WTAN-FM 95.7 Clearwater FL not heard on a trip through the area. WCVU 94.5 Naples FL is both classical and m. WEEJ 100.1 Port Charlotte FL is m; Stereo?

Regarding the item about Mr. Robert Howard and the WPHD, WYSL-FM case (VUD, March, pp. 4-5), Andy Smith, Hyattsville MD, claims to have been personally asked to leave the WPGC studio in (then) Bradbury Heights MD by Mr. Howard (a nice guy, eh?). Howard, former general manager of WPGC-AM-FM Morningside MD, claims credit for having brought WPGC to a dominant position in the market, having come to WPGC from WMEX Boston in 1962. "Last year, Howard left WPGC in a row with the owner in Boston. . . Howard made an unsuccessful run in the Democratic primary for Congress in Maryland's 8th district. . . Howard has been very successful in Washington in selling schlock to the people. The station [WPGC-AM-FM] has led all others in the ARB since September 1968. I dislike its format very much." WYSL-FM Buffalo was sold by McLendon to Howard, with McLendon seeming to be liquidating many of its other operations. WQXA 105.7 York PA now \$, "Super Q," No. 2 in York ratings, supposedly. WGTB \*90.1 Washington, "One Nation, Underground"; "We Got the Boogie," slogans heard; carries Georgetown U. basketball.

KBIC 102.3 Alice TX \$, id's only once an hour, as does WWWW 104.9 Columbus IN, \$, 24 hrs. At all other times WWWW refers to self as "try w-y." Inadvertently omitted from the Atlas maps, p. 35, 103.9 Adrian MI. WAID 104.5 Memphis TN now 100000 h,v; 750', soft rock, \$.

WAAT 92.1 Johnstown PA is rock, as is WJNL-FM 96.5; the latter having CBS.

WTTV-FM 92.3 Bloomington IN went to WGTC; will have the "Big Country" automated format. This change makes IN have nothing but r o r k stations south of Indianapolis, save for Evansville with WKY-FM 104.1 (m) and WPSR \*90.7 (c). "What a loss for so great a state!" Also, WIFE-FM 107.9 Indianapolis not in too good shape, with WXTZ 103.3 taking the lead.

WPEN-FM 102.9 Philadelphia back on the air with rock oldies; "stereo," but simulcasting AM, probably with mostly monaural records used. WGLS \*89.7 Glassboro is still on the air!

KMUW \*89.1 Wichita apparently has a 67 kHz SCA. It is promoting is "audio reader" for the blind and physically handicapped, with receivers made available to these persons, and they're looking for volunteers to read on the SCA. An SCA receiver manufacturer mentioned to me that in the Chicago area some of the stations (WXRT?) would like to start SCA foreign language broadcasts, but they high costs of adapters and receivers has to date held back the project.

In OR, KQIV 106.7 Lake Oswego has Mutual Black Network, not ABC-FM. KLOO-FM 106.1 Corvallis is mk, having country music only 6 pm to 10 pm sign-off. KZEL 96.1 Eugene OR not really UPI Audio; at least, they don't carry UPI's five-minute newscasts; same with KUPL 98.5 Portland; they don't carry the AP Audio network's five-minute 'casts.

**Mysterious:** WVVE Norristown PA on the air and DX ready, but not on the listed \*91.5 frequency, but 91.7! Chief engineer says they have a 250 w transmitter, sending out 50 w h & v @ about 65'. But supposedly licensed for 10 watts; hanky-panky? 91.7 seems to be a stupid frequency, with it blocking out WKDU-WPWT at only 15 miles. The Allentown College newspaper refers to a campus station WACR 106.5 Center Valley PA, but not received in a car 1/2 mile away. (Probably a cable station.) WWDB 96.5 Philadelphia now all talk and monophonic; phone calls' format. The after-midnight announcer on WPOC 93.1 Baltimore MD encourages out-of-state DX-er calls; has already acknowledged PA, NJ, DE, and OH on the air.

In Ct, WQTQ \*88.3 Hartford back on the air. WMAS-FM 94.7 Springfield MA is rm, having dropped k. Simulcasts with am 6 am to 6 pm; separate 6 pm to 6 am, live IDs all the time. On March 2-3; and March 17 only WHOM-FM 92.3 New York was progressive rock with live announcers, but they've subsequently reverted to Spanish MOR in \$, plus other ethnic shows on Sundays.

WWJO 98.1 St. Cloud MN making transmitter tests giving an excellent signal (100000h,v; 420').

WHLN-FM 98.5 Niagara Falls NY has an SCA with music. No SCA has been heard on WBLK 93.7 DePew-Lancaster NY and WBUF 92.9, a long-time SCA pioneer in Buffalo NY.

Networkwise, even though they qualify for grants and program support, the Pacifica stations do not carry NPR programs, like "All Things Considered," and the P listing after them should be dropped. Stations affected are KPFT 90.1 Houston, KPFK 90.7 Los Angeles, KPFA 94.1 Berkeley



CA, and probably KRAB 107.7 Seattle [KRAB is not a Pacific station, but has similar programming philosophies]. KSAN 94.9 San Francisco does not carry AP Audio. Tsail AZ, after a check thru 10 atlases in his college library, Sheldon Remington, Oakland CA, found only clues in two: 1974 Britannica Atlas lists "Tsail Creek" at 36°12'N; 109°35' W, though it's not shown on their map. That location would be just north of Chinle in the Navajo reservation. 1974 Commercial Atlas and Marketing Guide lists it, too, without showing it on the map. "Tsail [sic], Apache, mail at Lukachukai [26 mi NE of Chinle]. ZIP 86507." Other items: Sheldon heard WIAN \*90.1 Indianapolis by skip in CT, so they do make it past their country line! KFMR 104.9 Fremont CA all mono. Now that WGCT \*90.5 Guilford CT is deleted, Friends of WFCR, with an office in New Haven and a translator there, plans to apply for a high-powered station on \*90.5 (application already filed to the FCC). Driving out west, in the empty-dial areas of NE New Mexico and eastern Utah, plenty of MS was heard on a sensitive car receiver system. "Rocky Mountain multipath is unbelievable—as bad as aurora distortion. The KREX-FM (Grand Junction) repeater situation is out of hand; there is a strong translator at Crested Butte CO of KREX-FM on 107.1. At its sign off, KREX-FM mentioned "K261AA Montrose on Storm King Mountain, and K224AB Gunnison, on 'W' Mountain," but no others! (Station is probably using dated sign-off copy; continuity departments at many stations are behind the engineering departments in reading correct sign-on and -off data regarding the stations' facilities.) Of course, I consider "K296" 107.1 Crested Butte CO to be an illegal station, but one that should be added to a DXers' list of potentially receivable translators.

WAJR-FM 101.9 Morgantown WV is planning a new 520' tower to help increase the stations' signal strength, along with a continuation of 50000 watts h & v power. DXer Dave Janowiak reports they are building a new house, SW of his present place in Greenfield WI, at a better location for FM and TV DX, so expect some good results of this excellent DXer's efforts once he and family are moved in and settled. KHLS 96.1 Blytheville AR now \$, 100000 h, v; 450', ABC Ent'ment Net.

KTEZ 101.1 Lubbock TX now on the air with stereo, easy-listening music, 59.9 kw h & v; 862'.

WKMO 93.5 Kokomo IN has been having troubles maintaining frequency; for a while they were even on 93.1, on top of WNAF Indianapolis! Haworth High School in Kokomo is applying for \*89.1, 10 watts. WPGU 107.1 Urbana IL heard with country music after midnight; format change? Show was called "Sunset on the Soybeans!" WWSM 105.7 Cleveland heard with Physicians Radio Network on its 67 kHz sca; main carrier identified most often as "M-105," rock. WQLK 96.1 Richmond IN apparently back to its previously-authorized power of 50000 h, v; 400'; although the just-out Broadcasting Yearbook gives their power as 32000; 200', while in the Atlas it's 28 kw, 320'; who does know what their power really should be? (Not necessarily the power they now have, or say they have.) BY claims WISM-FM 98.1 Madison to have 500', but my data show only 350'.

WBOS 102.9 Milwaukee is 50000 h, v, directional antenna. WSWM \*91.7 Memphis due on 4-1-75cm.

WQLN 91.3 Erie writes to inform that "WJKB-FM" is no longer operational at Edinboro State College, and those were the call letters, although no frequency is given. WERG Erie, 10 watts, still on the air, with nobody in Erie apparently knowing about any higher-power operation having taken place at WERG. AP Audio network: WQPM 106.3 Princeton MN.

WLSW 103.9 Scottsdale PA is rock; WBOB-FM 98.1 Galax VA k; WLUR \*91.5 Lexington VA r; WYVA 94.1 Yorktown VA MOR, Stereo? WQOX \*88.5 Memphis, r, \$, on 5-days/week; schools.

The National Association of FM Broadcasters is sending out editorials urging FM stations to broadcast them, asking listeners to support all-channel radio legislation. "When these bills—known as Radio All-Channel—become law, you'll be getting AM-FM radio the next time you buy a car, and at little, if any additional cost from the current AM-only sets. . ." I think, myself, the legislation is too narrowly construed, and should be aimed at all non-FM radios, including novelty, kits, and small portables, and not just at the auto market. There's a need for full FM incorporation in all car radios, true, but it is equally shameful that AM-only radios continue to be made for the home or for carrying that should long ago have been consigned to the museum. For a particularly backward and ill-informed view on this subject, refer to the February, 1975 Consumer Research. This publication, and Consumer Reports, have never adequately tested FM car radios, yet they are quick to condemn the concept; however, as FM continues its inexorable march to dominate all radio, all-channel radio will become a reality. Such a law is seen as accelerating a trend toward the inevitable; it is more necessary than the law that requires UHF in all TV sets, even though only a small part of the country has any viable commercial or educational UHF service.

CONTRIBUTORS this issue: Ed Barboni, Norristown PA; Andy Bolin, Charleston IL; Richard Clark, Pittsburgh PA; Mike Collins, Hartford CT; Tom Cornell, Kokomo IN; Mike Dorner, Jr., Metairie LA; J. E. Ebeling, Bloomington MN; Russ Edmunds, Boonton NJ; Al Ellis, Brantford, Ont.; Ted Fleischaker, Louisville KY; George C. Greene, Akton OH; John Haralson, Memphis TN; Glenn Hauser, Enid OK; E. Isotalo, Appleton WI; D. Janowiak, Greenfield WI; Vic Melis, Pottstown PA; Paul Petosky, Munising MI; S. [PA. Remington, Oakland CA; Kevin Slater, Salem OR; A. P. Smith, Hyattsville MD; Bill Thompson, Buffalo NY; Steve West, Havertown/

# FM QUIZ

Mike Dorner, Jr.  
1409 Hymelia Ave.  
Metairie, La. 70003

How well do you know what's been going on in FM growth? Over 3574 stations are licensed, and despite the recession, the number of grants is not declining. So here's a challenge to you for long winter evenings and a dead band. Answer as many questions as you can; 1-16 correct, you're an FM genius; 12-14 correct, an FM expert; 10-11 correct, you're knowledgeable; 7-9 correct, you're a fair score. Less than that you're a novice. Correct answers on page 35.

1. Only four of the fifty state capitals have no FM stations offering commercial FM service. Name them.
2. Two of these capitals have no FM stations at all. Which are they?
3. Which is the most powerful FM station in the United States?
4. Which is the most powerful educational FM station?
5. A midwestern educational FM station has the dubious distinction of having changed frequencies more than any other station in the nation--four times since 1954. Name it.
6. Before 1957 FM stations could, with authorization, operate a background music service on their main program channel, a service permitted now only on SCA. The converse of multiplex, this service was known as -----.
7. Which Wisconsin FM station held three distinct construction permits before finally getting on the air?
8. Only one of the fifty states has no ten watt radio station; a recent single one was deleted last spring. That state is -----.
9. Three-letter calls are found on FM stations only if they share a call with an AM station founded in the early twenties. One station, however, built in 1958, was assigned such a call on request in honor of an educational AM station it founded in the early twenties with that identical call, and deleted for over 30 years. The station is -----.
10. Three Atlantic seaboard states, -----, -----, and -----, have no more vacant commercial FM channels available for application.
11. In which political entity of the U.S. are some FM stations permitted by special authority to broadcast in a second language the sound tracks of movies shown on local TV?
12. Most FM translators are found in what state?
13. The first AM station is KDKA Pittsburgh. The first FM station, long off the air, was -----.
14. The oldest continuously operating FM station is -----.
15. The oldest educational FM station, still operating by the way, is -----.
16. Only one American FM station has had the distinction of being assigned sequentially to every one of the several FM channels assigned to that city, and in ascending order at that. That station and its city are ----- and -----.



# E SKIP IN DEPTH...mel wilson

## 1. Is there any way to predict how long an $E_s$ opening will last?

I don't know of any way to predict the duration of an intense  $E_s$  occurrence. Until the mechanism of the phenomenon is understood, trying to predict its behavior is at best a precarious exercise! However, there are indications which can lead to an educated guess; that is, play the probability game. Such indicators would include the large scale weather conditions, the temporal occurrence, and the general intense  $E_s$  occurrences to date. If I am correct in the assumption that intense  $E_s$  is the result of turbulence within a large sheet of  $E_s$ , then conditions (like the wind sheer theory) must exist, and a triggering mechanism must be present within the area of the  $E_s$  sheet to cause the turbulence. A higher probability for a long duration of intense  $E_s$  is present if large scale weather conditions indicate wide spread possible locations for "generators." The more generators that appear, the more intense  $E_s$  is spread, and the longer the "band is open." If the generators are strong, they will shed some long lived clouds which will drift for many hours. Often the more intense and strong generators will support quite high frequencies (FM and higher), and this is an indication that probably the conditions will last for a while. In some cases, it appears that a cloud can become more intense by passing through another turbulent area.

An understanding of propagation paths is a required prerequisite to any attempt to predicting where, or how long, an opening might last. The more precise one can observe existing conditions, and the manner in which they change, the better an educated guess becomes. Plotting of data combined with basic knowledge of the possible wave propagation paths can often result in quite accurate assessment of actual conditions. If a model can thus be established, and the behavior watched carefully, predictions of duration and area coverage can be accomplished by a single observer. The radio amateurs on 50 MHz have a distinct advantage, since they can trade information and get two points of view.

It is useful to the TV/FM DXers to listen in on 50 MHz for such information. Recording devices, scanning receivers, and spectrum displays are useful to the single observer, since such techniques add information.

## 2. "Is most $E_s$ purely Single hop or is it a cloud to cloud condition?"

In any wide spread opening the probability of a two cloud propagation path is high, especially as the higher frequencies are propagated. When the band at 50 MHz is just open, the chances are that all skip is single cloud. The data I have shows that with very few possible exceptions all reported 144 MHz skip observed over the past 25 years has been cloud to cloud. By far the majority of FM propagation has been two cloud, and may of the 50 MHz and low TV paths have been cloud to cloud. When wide spread intense  $E_s$  is present, the lower frequencies usually have more than one path open simultaneously, both cloud to cloud and single cloud. This causes very strong stations to have very deep fades. Very complex wave paths can develop in such conditions.

## 3. "Why does $E_s$ peak in spring and summer and re-peak in December-January?"

I don't believe anyone has yet figured this one out! I would think that the mechanism for triggering turbulence is present much of the time, at least on an annual basis, and therefore the difference between the solstice and equinox occurrence of  $E_s$  must be a result of the basic establishment and behavior of the basic sheet of ionization. This probably is a very complex phenomenon. Some feel that the basic ionization generation must be a result of the energy from the sun (excluding aurora and meteors) and thus the zenith angle of the sun relative to the coupling magnetic field lines between conjugate points) between the hemispheres probably controls this formation. There is some evidence that the plas-

mapause controls the boundary of  $E_s$  in the temperate zone, ( $L = 4$ , approx 60 degrees mag latitude), and thus not too far out to give serious consideration to this form of coupling. When the sun is over the equator its coupling to the midlatitudes is minimum, and this could account for the minimum  $E_s$  occurrences during equinox. During our summer, the sun's angle is such as to directly couple with the northern hemisphere, and the effect should be greater than during our winter solstice when the proper zenith angle of the sun must be coupled through the magnetic lines from our conjugate point.

4. "About what percentage of the  $E_s$  openings that reach TV channel 2 will reach channel 6? FM? Channel 7?"

The general rule of thumb is that doubling the frequency reduces the probability to 1/10th. Thus if channel 2 is assumed 50 MHz, then 100 MHz will be propagated one-tenth the time that channel two is open, and 200 MHz will be open one-hundredth of the time. However, this assumes a single cloud propagation path. Since most higher frequency propagation paths are multi-cloud, the probability is higher than these figures. The MUF of a single cloud can be below the frequency propagated by a two cloud path. In practice, it is difficult to know of a possible propagation path for the highest frequency because of the geometric restrictions imposed, and unless the observer and the transmitter are in precise relative positions, it will go undetected. This seems to be the experience on the two meter ham band. I expect that this will change somewhat with the advent of many repeaters coming on the air and many more people listening, and many openings will be reported. In the case of channel 7 stations, the probability of hearing them is not very good, since there are relatively few of them, and the propagation paths very restrictive. FM stations, on the other hand, are geographically well spread out, have a relatively high density, and transmit continuously, and openings are observed a high percentage of the time. It is interesting to note that since there are so many more FM stations (than say channel 2 stations, that an observer may hear FM stations) and not channel 2 stations. This doesn't mean the band is not open for channel 2, but there is no channel 2 station for the particular wave path. It is possible that no TV stations can be heard and only FM stations can be heard. (Such information is of great importance when plotting an opening).

5. "What characteristics should be found in a good antenna system for  $E_s$  DX?"

There is no single good antenna for  $E_s$  DX. The serious DXer must have more than one antenna, and depending upon what he wishes to accomplish must be able to change antennas rapidly (preferably scan). I would guess the minimum would be a good yagi, stacked as much as possible, and as high above ground as possible (height probably is not important as long as it is greater than 1000 feet). Of course it must be rotated. A second antenna lower, a small beam type with an excellent null. The high, sharp beam antenna is useful most of the time, because of its gain and its area coverage (low angle of radiation covers a larger geographical area). The lower smaller antenna is useful for higher angle of radiation (when clouds are closer) and the deep null is useful for cutting down interference. The smaller beam should be independently rotated, and for local interference and also strong skip (if azimuthal angle is different) the smaller antenna can be electronically combined with the higher antenna to produce a null on the unwanted station. Beyond the minimum there are all kinds of special types, with polarization changes being the most useful, although it should be sampled fast.

6. "How can a DXer recognize conditions favorable to "doublehop"  $E_s$ ?"

The probability of successfully recognizing the possibility of double hop skip is directly related to ones understanding of transmission paths, and knowledge of conditions existing at the time. Plotting of conditions for propagation



for an openings is most useful. This is the techniques of drawing propagation paths as they are observed on a map, and trying to establish where the clouds started and where they are going. Listening to the radio amateurs on 50 MHz is most useful for finding the paths that are present but beyond ones own radio horizon. I believe that weather maps are very useful for guessing the direction and extent of possible intense  $E_s$ . The place where skip starts is often along a front, very unstable air mass interfaces, and seem to favor low pressure areas. Once clouds are formed and drift off they may well drift into high pressure areas. Intense  $E_s$  does not seem to form in stable high pressure areas, although on double skip remember that a ground reflection point can be in the high, so one can received through the area as long as a cloud is not required in the area. Thus the probability of double skip is higher if low pressure cells dominate the country, or the fronts are spaced properly for the observer. Of course when the band is wide open over a large area there is no need to recongnizing conditions for double skip, its already there!

7. "Can meteor showers trigger an  $E_s$  opening?"

Meteors can well be the chief supply of metallic ion debris so important to the duration of  $E_s$ , but I doubt very much that meteors could trigger an opening. Meteors do heat the ionosphere in an extremely small volume causing "ping" type VHF propagation, and dense shower can sustain pragation (sometimes double skip) for a relatively short duration. Meteor trails often produce field aligned scatter signal propagation and are very aspect limited. Although the energy released by the transit of the meteor through the E layer is small, some of the "over dense" meteors can extend the duration of propagation for many minutes. This mode of propagation is quite different from the intense  $E_s$ .

8. "What is your analysis of the large amount of off season  $E_s$  activity in the late months of 1974?"

I don't know why we seemed to have so much acitivity. The variability of intense  $E_s$  is what makes the study of the phenomenum so interesting! I will never forget the 8th or Nov. 1970 when the intense  $E_s$  extended a quarter of the way around the earth, 144 MHz was open for two hours, and FM was reported out to 2000 miles! So we sure get some queer ones off season.

9. "Can you make any predictions about the 1975 season?"

Sorry I can't make any predictions! The variability of intense  $E_s$  from year to year is far too great, and since the mechanism is not known, there is no way of predicting what I have found. If one takes a 100 days from the first weeks of May til the middle of Aug, then almost every year 92 days will be reported open somewhere in the continental US. However, the duration andlocation of these openings vary tremendously year to year, and this makes it very difficult to predict what will be reported, I guess if we really knew it would take most of the fun and enjoyment out of our hobby!

# STATISTICS

Deadline for

Editor:

M A Y

96 MHz FM DX

Glenn Hauser

1 9 7 5


Records :

1312 West Oak

10 June

Enid OK 73701

## CHANNEL 45 TV DX RECORDS

Call	Location	Miles	DXer, Location	Logos
WBFF	MD Baltimore	615	Don Ruland, Kenosha WI	
WNBO	OH Alliance	415	Bill Draeb, Kewaunee WI	
WKST-	PA New Castle	440	Ferdinand Dombrowski, Okauchee WI	
WTGI	TN Chattanooga	665	Joel Rosenberg, Downsview ON	

## CHANNEL 46 TV DX RECORDS

KBSA	CA Los Angeles	135	Jim Pizzi, Orcutt CA
KMST	CA Monterey	165	Dennis Smith, Sequoiah Crest CA
WNDU-	IN South Bend	385	King Schafer, Kenmore NY
WMSH	IN South Bend	355	Robert Seybold, Dunkirk NY
WHAE-	GA Atlanta	755	Robert Cooper, Oklahoma City OK
WKLE	KY Lexington	720	Robert Cooper, Arcadia OK
WFGC-	NJ Atlantic City	145	Arthur Perry, Quogue NY
WSKG-	NY Binghamton	600	Gary Olson, Deerfield IL
W46	NY Brocton	90	Joel Rosenberg, Downsview ON
KNCT	TX Belton	980	John Combs, Orlando FL

## CHANNEL 47 TV DX RECORDS

KJEO	CA Fresno	180	Dennis Smith, Santa Barbara CA
WTVP	IL Peoria	555	Robert Cooper, Oklahoma City OK
WNJU-	NJ Linden NJ	555	Russ Brown, East Lansing MI
WSVN-	VA Norton	825	Robert Cooper, Oklahoma City OK

## CHANNEL 48 TV DX RECORDS

WMSL-	AL Huntsville	800	Glenn Hauser, Von Ormy TX
WURC	NC Greensboro	230	Larry Vogt, Springfield VA
WCST	OH Cincinnati	410	Joel Rosenberg, Downsview ON
WKBS	PA Philadelphia	695	Bill Draeb, Kewaunee WI

## CHANNEL 49 TV DX RECORDS

WEDW	CT Bridgeport	325	Robert Seybold, Dunkirk NY
W49AA	IL Springfield	560	Robert Seybold, Dunkirk NY
WLBC-	IN Muncie	735	Robert Cooper, Oklahoma City OK
WAKR-	OH Akron	395	Ferdinand Dombrowski, Lebanon WI
WNOW-	PA York	635	Carl Lupton, Shelbyville IL
W49AB	PA York	220	Robert Seybold, Dunkirk NY

## CHANNEL 50 TV DX RECORDS

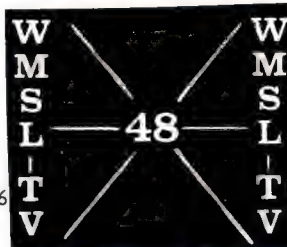
KFTY	CA San José	275	Jim Pizzi, Orcutt CA
WGSP	DC Washington	30	Tom Yingling, Dundalk MD
WEHT	IN Evansville	455	Bill Draeb, Kewaunee WI
WCAE	IN Saint John	415	Robert Seybold, Dunkirk NY
WKBD	MI Detroit	900	Robert Cooper, Oklahoma City OK
KCIT	MO Kansas City	840	Mark Lewis, Downsview ON
WXPO-	NH Manchester	110	Gene DeLorenzo, Hyannis MA
WNJM	NJ Montclair	535	Russ Brown, East Lansing MI

## CHANNEL 51 TV DX RECORDS

WKID	FL Ft Lauderdale	1150	Pat Dyer, San Antonio TX
WLEV	PA Bethlehem	25	Karl Kleintop, Souderton PA
WVPT	VA Staunton	440	Clarence Day, Westerly RI

## CHANNEL 52 TV DX RECORDS

KBSC-	CA Los Angeles	135	Jim Pizzi, Orcutt CA
WSJV-	IN Elkhart	355	Robert Seybold, Dunkirk NY
WRAY-	IN Princeton	265	Gary Olson, Barrington IL
WKON	KY Owenton	835	Glenn Hauser, Franklin TX 77856
WEKW-	NH Keene	360	Robert Seybold, Dunkirk NY
WNJT	NJ Trenton	710	Bill Draeb, Kewaunee WI





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CLARKE W. INGRAM, 5201 COLEWOOD DRIVE, PITTSBURGH PA 15236. (412) 892-2497  
 DEADLINES: JUNE 15 (FM SCOREBOARD), AUGUST 15 (TV SCOREBOARD). REPORT NOW!

Greetings! Welcome once again to another edition of the DX Scoreboard column, published bimonthly in the VHF-UHF Digest. For those DXers not acquainted with our format, every other month we publish the TV or FM totals of those DXers who submit them to the address above prior to the appropriate deadline. If you would like to submit your totals, please consult the September 1974 VUD for a listing of the guidelines which one must follow. This back issue is available from WTFDA Headquarters (see the back cover). Our regular contributors probably noted the omitted introductory page to the FM Scoreboard in the March VUD--this was due to a lack of any pertinent material. This month, we certainly can't complain!

A QUESTION OF POWER...Several prominent TV-DXers, including Bill Draeb, have inquired as to whether or not low-power Canadian repeater stations should be included under the heading of 'translators' (since Canada has no translators per se.) I'm not sure how Glenn Hauser handled this problem during his tenure as Scoreboard editor, but a reasonable solution would seem to be listing all Canadian repeaters under 100 watts as translators. (I haven't yet had to deal with this problem personally, as I've logged no Canadian repeaters, hi.) Keep in mind also that all stations listed under 'Xltr' (translators) should be included in your station total. While we're on the subject of Canadian stations, may I state (with all modesty) that, after months of searching, I finally logged my first Global transmitter (CKGN-6 Paris) several weeks ago. One down and five to go!

TV-DX ON RADIO...Your Scoreboard editor recently had a prolonged discussion with KDKA Radio's Perry Marshall concerning TV-DX. The conversation did mention the WTFDA, the VUD, and practically everything else possible. I even somehow managed to slip in the address of WTFDA Headquarters to flush out any DX enthusiasts unaware of our existence (and KDKA is 50,000 watts clear channel, no less!) A written transcript of the conversation (which your editor had forethought enough to record) has been prepared, and hopefully will appear in an upcoming VUD. If and when it does, please excuse the most elementary of TV-DX explanations on my part, as Perry was not the most experienced of DXers. (I think he is still somewhat confused.)

WTFDA SUPPLIES...In case you haven't discovered these reasonably-priced, well-made products, you should make them a permanent part of your DX shack. The literature published by our fine organization (listed on the back cover) is excellent, either in acquainting the uninitiated with the aspects of DX or in noting the many broadcasting stations now in operation across the U.S. All three of the station lists (TV, FM, UHF translator) are extremely detailed and impeccably accurate. In addition, I've been unable to find any magazine file better able to store my copies of the VHF-UHF Digest than the VUD Boxer---but don't believe that business about its capacity of 'twelve offset printed issues.' Mine now holds twenty-one and there's still room. If you're out to impress someone, the WTFDA stationery with official letterhead is more than adequate. I use it frequently to obtain responses from TV stations who won't otherwise answer my letters. I also used it to obtain permission to reprint certain illustrations for an upcoming article. Invest in your club's supplies---they help to keep your dues reasonable!

VHF SCOREBOARD UPCOMING...PS Spectrum editor Terry Colgan has been working at a possible solution to the station-total muddle in the proposed VHF Scoreboard. When he solves this problem, the VHF Scoreboard will become a part of this column, appearing once every three months (the column will then become monthly once again). Those VHF DXers interested in contributing to the Scoreboard should begin to arrange their totals by the method they feel is best, e.g. by frequency, by political units, etc. Full details on the VHF Scoreboard will be given here once a standard format is achieved.

**FURTHER PITTSBURGH NEWS NOTES...** The intense competition for news ratings between the three Pittsburgh commercial VHF's continues to rage incessantly. KDKA-2 recently got quite a boost when a survey revealed that the noon and 11 P.M. newscasts featuring veteran Bill Burns were the highest rated in the entire nation for their time periods. Burns has been with KDKA-TV for over twenty years and has always been Pittsburgh's most popular news figure, but this came as a surprise to even him. TV 2's "Eyewitness News" continues to lead the news ratings in the Renaissance City, as it has for so long.

In the meantime, WTAE-4's "Action News" (whose only action consists of the newscasters walking up to the

news set at the beginning of the broadcast) recently slipped into second place. Why? Basically due to the ineptitude of WIIC-11's news programs. Remember how I mentioned that WIIC's newscasters all sound like Ted Baxter? Well, apparently the rest of the Channel 11 news audience thought so as well. In fact, WIIC's news finished fourth in the ratings; believe it or not, reruns of "McHale's Navy" on WPGH-53 were drawing higher ratings. At any rate, only a few of the original news team members now remain. WIIC now has a new logo (see below).



And then there are those stations who could care less about news ratings. Distant semi-local WDTV, channel 5, in Weston, West Virginia, who somehow found the budget to place an advertisement in the Pittsburgh edition of TV Guide, advertised "News...Sports...Weather...1 PM, 6 PM, 11 PM." No one seems to know what their "news name" is, and the people at Channel 5 seem somewhat confused themselves. I believe it is "The Channel Five News." Kind of makes one wonder where this station's budget is going...

**ONLY ON ELEVEN...** TV DXers, who previously had a "6ix" and two "eight"s to worry about, now have an "eleven" to contend with. WIIC-11's new logo, shown to right, is the first of many moves precipitated by the Channel 11 management after receiving the unfortunate rating news mentioned above. The WIIC newscasts now feature "Live Instant News," which is basically remote telecasts of "important" events using a minicamera and microwave pickup. This is sometimes hilarious, since it often fails, and when it is functioning the quality leaves much to be desired! There was a nice moment a few weeks ago, however, when WIIC picked up the announcement of the Penguins' hockey playoff victory live from the Civic Arena. If WIIC thinks that a logo and news name change will cover up a basic deficiency in their news staff, though, they are highly mistaken...



73, Clarke



# TV SCOREBOARD

MAY 1975 - COMPILED  
BY CLARKE W. INGRAM

DXer, Location	S	T	A	T	I	O	N	S	US	CN	MX	FO	TPU	LEV	HBV	UHF	MS	YB	As of	
Total UHF	Xltr	Es	MS	Au	POLITICAL UNITS										AVG. DISTANCE					
Robert Seybold, Dunkirk NY	656	239	36	158	28				49	8	4	3	65					50	Jan 5	
Robert Cooper, Guthrie OK	602	229	72	138	95	0			41+	5	14	9	70			621		69	Aug 23	
Bill Draeb, Kewaunee WI	588	235	28	150	15	0			42+	6	1	0	50			324	431	53	Jan 18	
Jim Gould, Kokomo IN	453	152	2	106	5				41+	8	5	2	57					60	Nov 10	
Gary Olson, Deerfield area IL	375	153	13	87	6				39+	6	2	2	50					58	Jul 1	
Don Ruland, Kenosha WI	366	159	11	66	27	0			37+	5	1	0	44			288	348	71	Dec 3	
John Parillo, Girard OH	338	77	0	118	8				35+	7	0	1	44					51	Apr 9	
Ron LeBlanc, Marrero LA	321	70	2	102	9				35+	3	9	6	54					67	Sep 10	
Fred McCormack, Des Lacs ND	299	35	20	186	35	0			40+	6	2	0	49					64	Oct 9	
Marvin Shults, Toulon IL	294	118	14	88	4	0			38	7	2	1	48					65	Nov 5	
Paul Petosky, Munising MI	280	31	31	109	4	6			37	6	0	1	44					54	Jan 16	
Rod Luoma, Livonia MI	259	123	2	40	5				30+	3	0	0	34					53	Apr 5	
Paul Traska, Buffalo NY	259	109	11	45	15				31+	3	0	1	36					57	Nov 26	
Pat Dyer, San Antonio TX	254	35	0	128	17				40	2	8	4	54					59	Dec 6	
Frank Wheeler, Erie PA	253	48	0	114	4	0			32+	9	0	1	43					55	Nov 11	
John Combs, Orlando FL	235	67	1	82	14	0			27	2	3	6	38			436	464	72	Apr 1	
Peter Gennuso, Dunkirk NY	219	78	1	57	1				28	5	0	1	34					73	Jul 7	
Dave Egan, Valleyfield QB	219	25	0	96	16	0			35+	6	0	1	43					69	Nov 5	
Richard Allen, nr Billings OK	209	54	14	73	19				38+	4	7	0	50					73	Aug 24	
Ken Simon, West Palm Beach FL	207	34	4	114	21	0			30+	4	5	9	49					69	Jan 15	
Glenn Hauser, Stillwater OK	180	35	1	70	1				32+	3	8	1	45					73	Aug 17	
Greg Kelley, Staunton VA	176	56	20	44	0				23	3	2	1	29					66	Sep 21	
Scott Sampson, Orion IL	161	89	5	17	5	0			26	1	0	0	27					71	Dec 15	
Dennis Smith, Wasco CA	148	27	8	89	0				25	3	3	0	31					54	Apr 18	
Jim Pizzi, Orcutt area CA	136	28	6						18	4	4	0	26					63	Mar 26	
Fred Nordquist, N. Syracuse NY	129	21	0	45	1				26	4	0	1	31					69	Jul 21	
Peter Sawatzky, Waterloo ON	127	40	0	47	0				24	4	0	0	28					71	Jul 18	
Merrill Bancroft, Townsend MA	118	28		48					31									65	Jan 1	
Steve Wiseblood, Santa Maria CA	102	15	1	61	12	0			17	3	6	0	26			173	164	73	Apr 7	
Jim Alexander, New Hartford NY	84	4	0	52	0				22	5	0	0	27					72	Aug 10	
Clarke Ingram, Pittsburgh PA	73	11	0	29	4	0			20	3	0	1	24			147	104	71	Apr 15	
Michael Hogan, E. Chicago IN	23	12	0	0	0				4	0	0	0	4					73	Aug 26	

NOTES AND COMMENTS: The TV Scoreboard continues to become more and more crowded! The new average distance categories above forced your editor to move each heading above closer together. For the benefit of those DXers not yet acquainted with them, the new headings are: LBV (low band VHF tropo average), HBV (high band VHF tropo average), UHF (UHF tropo average), and MS (average of all stations by meteor scatter). My sincere thanks go to Bill Draeb and Steve Wiseblood (first to compute average distances under all four headings), to Don Ruland and John Combs (who computed averages under three of the headings), and to Paul Petosky (first to indicate any stations by aurora). As for the rest of you---well, if Bill Draeb has 588 stations and can compute his average distances, what's stopping you?...Thanks to all new contributors. Fill in those blanks!!!

73 in 75, Clarke

# EASTERN TV DX

Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

May 1975

Deadline: 10th

Northeastern DXers, primarily those located near the Great Lakes, caught a very large pre-spring tropo opening beginning on the evening of March 15 and running to the early hours of the 18th. As far as distance was concerned, UHF ducting did not break any records; loggings out to 500-700+ mi were made. However, the really phenomenal thing about this opening was signal strength. Super-DXer Bob Seybold, in a telephone conversation with your editor, commented on 500 mile snowfree UHF reception on the morning of March 16; what makes this significant (even for Bob) was the fact that these loggings were made at his Fredonia, NY home site, rather than his fantastic hilltop location in the Arkwright Hills south of Dunkirk. This opening was rather unexpected; weather forecasters had been predicting that the giant high pressure system that caused it would move up through the Ohio Valley into the Northeast and out to sea. Instead, it stalled, stagnated, and gave a few DXers one of the best March tropo openings in their areas in many years. Down near the Gulf, it was a very good winter indeed; note John Combs loggings for March 20-23. E-skip should be getting underway as you read this, but has been very sparse since January, which was quite poor itself; hence, we'll hold off on an Es chart until next time.

Mark L. Lewis 599 Gainsborough Road London, Ontario N6G 2C5 (EST)

"I have some rather fine goodies to report, especially the opening this past Friday morning. We got down into W. Virginia on translators!!!!. Much of the U.S. was enjoying very warm temperatures according to that "Today Show" weather map. It was 29 degrees in London and would later warm into the 40's."

March

15 Tr 2300 W26AA-26 Jamestown NY (WNEE)  
"great colour signal"  
2300 Detroit U's "very good"  
2345 WICS-20 Springfield IL T  
WKAR-23 Lansing MI  
WANE-15 Ft Wayne "—pure  
WICD-15 Champaign CCT"  
2357 WSBT-22 S Bend thru CKGN1  
0007 WICD-15 Champaign IL  
0013 "50 & 20 Detroit almost up  
to studio quality VAFI5555  
0014 WAND-17 Decatur IL  
0058 WICS-20 Springfield s/off  
0110 WUAB-43 & WAKR-23 "both  
studio quality. WUAB-43 running  
a variety club telethon"  
0200 WVIZ-25 Cleveland "still  
on the air running Festival 75  
ETV fund raising programming"  
0830 WTAP-15 Parkersburg WV  
"snow free at times thru 1130"  
0830 WPGH-53 Pittsburgh PA  
0900 WUAB-43 Lorain OH "so  
strong it is imaging on ch 28--  
a first for my detent tuner.  
Also: traces of IN, southern OH"  
1300 "Eries peaked as Cleveland  
signals declined"  
2200 WOSU-34 Columbus OH s/off  
WUHQ-41 Battle Creek MI  
WLPB-49 Muncie IN  
WXON-20 Detroit "CEN telethon"  
WPTA-21 Ft Wayne IN "weak"  
CKGN1-22 Cottam Ont "un-  
modulated audio, with a slide  
"GLOBAL TELEVISION...TUNE IN  
AGAIN AT 9:00" this ran till  
2243 when the xmttr just went

off without any formal s/off.  
Other Global xmttrs were in  
normal programming."  
16 Tr 2224 WAKR-23 Akron OH "snow  
free with CBN telethon--  
they seem to be more of an in-  
dependent than ABC these days"  
2224 WUTR-20 Utica NY "weak"  
WXIX-21 Rochester NY  
CKGN22-22 Uxbridge Ont  
"ch 19 & 25 Toronto weak"  
2230 WBGU-57 Bowling Green OH  
"chs 15,21,33 Ft Wayne IN  
almost snow free, good colour"  
2247 WLFY-18 Lafayette IN  
2259 WMSH-46 South Bend IN  
(unID)-34 "South Bend ETV?"  
21 0725 unID-41 "ABC 'A.M. America'  
This was not WUHQ Battle Creek,  
was in line with Wheeling WV"  
0730 W41AA-41 Wheeling WV  
(WWWVU-24 xltr; 1000w xmttr -bt)  
0730 WNR0-45 Alliance OH  
WPGH-53 Pittsburgh PA  
WQEX-16 Pittsburgh "w/TP"  
WTAP-15 Parkersburg WV  
WANE-15 Ft Wayne "audio"  
WBYT-25 Saginaw "snowfree"  
0815 "ch 44 ETV very weak in  
the direction of Pittsburgh  
and WV but not relaying Morgan-  
town, so it was not W4AAA!  
Probably not Scranton either."  
(Could this be WOUC-44? -bt)  
0900 "I had to leave for Toronto"  
1200 "In Toronto (Downsview),  
Erie PA U's quite strong,  
Cleveland @185 miles weak, but  
no real DX noted!"



Wayne Fitzgerald 718 Leesville Road Lynchburg, Virginia 24502 (BDT)

"...I finally decided to start reporting, and what a month I picked to start! No skip of any kind seen here for the whole month and the tropo was very weak! I have been DXing since May, 1971. Presently using a Kay Townes all-channel antenna with Blonder-Tongue rotor at 25 ft. Receiver is 1970 Zenith with Golden Tuner. It has really been a honey!...locals are 7,10, and 15 from Roanoke, Va., 13 from Lynchburg and WAFI 4455 from 3 in Harrisonburg, Va. and 29 in Charlottesville, Va. Log total is only 119 stations, of which only 10 are UHF. They are spread out among 24 states; D.C.; Puerto Rico; Cuba; Canada; and Mexico...I do photograph callsigns whenever possible and have a fair collection."

### March

11 Tr	2400	WOAY-4	Beckley WV	RO115	23 Tr	2325	WXEX-8	Petersburg VA	RO095
	2430	WRC-4	Washington DC	RO160		2330	WMBT-12	Richmond VA	RO095
	2430	WTTG-5	Washington	RO160	24	1100	WTVD-11	Durham NC	RO100
	2425	WTOP-9	Washington	RO160		1100	WXII-12	WinstonSalem	RO110
23	2300	WUND-2	Columbia NC	RO165		1115	WRAL-5	Raleigh NC	RO120
	2300	WUNC-4	ChapelHill NC	RO135	28	0130	WCTB-5	Bristol TN	RO175
	2310	WTAR-3	Norfolk VA	RO165		0145	WBTB-3	Charlotte NC	RO178
	2315	WFMY-2	Greensboro NC	RO100		0200	KDKA-2	Pittsburgh PA	RO220
	2320	WTVR-6	Richmond VA	RO095		0210	WTTG-5	Washington DC	RO160

(Nice to receive your report, Wayne. Hope you'll report often -bt)

David J. Egan 12A Andrew Valleyfield, Quebec (EST)

"No DX to report for Feb. or March except a brief flurry of Es on chs 2&3 Mar 29 around 1630 EST...intense aurora thru ch 13 3/10!...I am awaiting the ground to thaw so I can set in my cement base for the new tower...A couple of corrections from my March report are in order. Firstly, my apologies for jumping to conclusions with the tentative KTVN-2 reception of 1-24. They replied and straightened everything out. The logo I saw, however, did not resemble that published showing KTVI. But it MUST have been KTVI as little else would fit the description of what I saw. (There seems to be an outside chance that you may have had KTVQ-2 Billings, since the logo didn't resemble KTVI's -bt) Also I mentioned living 500 feet from the bay last time. This should be changed to about 100 feet."

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (BDT)

### February

16 Tr	2230	Syracuse, Watertown, Utica,	16 Tr	1057	Pt Wayne 15,21,33 solid
		eastern Ontario vy good			CKGN1-22 Cottam Ont (205)
21	1900	cx up again, same areas		1121	W39AA-39 Ft Wayne IN(345)
					xltr for WBGU-57 Lima OH
March				1124	WGTE-30 Toledo OH (240)
4 Tr	1900	Cleveland, Pittsburgh,		1257	S Bend-Elkhart U's excel-
		ScrantonWilkes-Barre U's			ent rest of day & evening
10 Au	1730	hash 2-13; big opening,		1430	WKBS-48 Philadelphia(270)
		FM noisy all evening			WNJU-47 Newark NJ? T
15 Tr	2250	All Cleveland, Toledo, De-		2130	cx way up again, same areas
		troit U's near WAFI 5555			as last nite, more intense
	2300	WBGU-57 Bowling Green OH			WKYZ-7 Detroit viewable
		WLIO-35 Lima OH (300)			thru local for hours!
	2332	WMOL-33 Huntington (395)	17	0758	morning tropo really up,
	2339	WTAP-15 Parkersburg? T			same areas as last nite
		Pt Wayne U's thru hvy CCI		1000	WIPB-49 Muncie IN (375)
	2352	WILL-38 Terre Haute (520)			WKEB-22 Dayton? T
16	0009	WFLD-32 Chicago IL (470)		1030	had to quit, cx still up
	0022	WMSH-46 S Bend IN (410)	21	0830	S Bend U's, N. OH solid
	0030	WJAN-17 Canton OH (185)		0835	W41AA-41 Wheeling WV (220)
	0059	WNDO-16 S Bend IN (410)			w/20 CCI; xltr for WWVU
	0100	WSET-22 S Bend IN (410)		0857	WOUC-44 Cambridge OH (240)
	0105	CKGN29-29 OilSprings (185)			WNBO-45 Alliance OH (170)
	0112	WSJV-28 Elkhart IN (400)		0900	WOUB-20 Athens OH (260)
	0115	WLEX-18 Lexington KY? T		0916	WOEX-16 Pittsburgh (170)
		WKYT-27 Lexington (475)			Pittsburgh 11,13,53 solid
	1030	tune-in (I overslept, so		0930	WOSU-34 Columbus OH (290)
		probably missed some great DX			WSTV-9 Steubenville (195)
		just after dawn, judging by		1000	WTAP-15 Parkersburg (285)
		the way UHF was still open!)		1026	had to leave

That March 15th-17th tropo was unreal! CCI was so bad on high-band during evening of 16th, semilocals became unwatchable. One of many semilocal xlters noted relaying WMSH-46 on ch 62 (instead of intended W46AB)!!!

Steven Sprachman 3939 Eve Drive Seaford, New York 11783 (EDT)

<u>March</u>									
3 Tr	1630	WEDW-49	Bridgeport CN	R35	18 Tr	1930	WBRE-28	Wilkes Barre	R125
6	1930	WNJT-52	Trenton NJ	R75	20	1730	WEDW-49	Bridgeport CN	R35
	2000	WNJS-23	Camden NJ	R100	22	1450	WPHL-17	Philadelphia	R100
		WTAF-29	Philadelphia	R100	24	0940	WPHL-17	Philadelphia	R100
		WNJM-50	Montclair NJ	R35			WNJS-23	Camden NJ	R100
7	1700	WPHL-17	Philadelphia	R100			WTAF-29	Philadelphia	R100
14	2300	WPVI-6	Philadelphia	R100		1000	WKBS-48	Philadelphia	R100
16	1930	"Philadelphia area UHF-			25	1500	"Philadelphia area UHF-		
		17,23,29,52"					23,29,52"		

(Steven has sent along an interesting clipping from the Sunday supplement of the Long Island newspaper, Newsday. It's a short article about WTFDAer Dr. Richard Wood, prominent in SWL circles as well as TV-FM DXdom -bt)

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EDT)

<u>March</u>									
4 Tr	2345	WJAC-6	Johnstown PA	R	15 Tr	2230	WKPC-15	Louisville KY	N
		WEWS-5	Cleveland OH	R			WTAP-15	Parkersburg WV	R
		WJW-8	Cleveland OH	R			WANE-15	Fort Wayne IN	R
5	2007	WJAC-6	Johnstown PA	R			WDRB-41	Louisville KY	N
9	1929	WQED-13	Pittsburgh PA	R	2255		Fort Wayne, S Bend, Toledo,		
		WPGH-53	Pittsburgh PA	R	16	0029	WJAN-17	Canton OH	R
	2420	W76AM-76	Allegany NY	N		0040	WKYT-27	Lexington KY	N
11	0235	CKGN-2-2	Bancroft Ont	R			"thru WKBN-27"		
		CKGN-6	Ottawa Ont	N			WLKY-32	Louisville KY	R
		"thru CJOH-6-6	Deseronto"				unID-16	"PBS"(WOFT? -bt)	
	0236	CHX1-4	Bancroft Ont	N		0047	WLIL-38	Terre Haute IN	N
		"thru WHEB-4"				0106	CKGN-29-29	Oil Springs	R
(I thought it only had 5-watt xmtr-bt)						0300	WHTN-13	Huntington WV	R
	0236	CJOH-13	Ottawa Ont	R			WLWC-4	Columbus OH	R
		CJOH-8	Cornwall Ont	R			WBNS-10	Columbus OH	R
	0237	CKWS-11	Kingston Ont	R		1006	WTAP-29	Philadelphia PA	N
		CHX-12	Peterborough	R			WKBS-48	Philadelphia PA	R
15	2130	"A very good tropo opening starting to NY & PA-OH-MI; too many relogs to list: ch 16, 20's (Utica & Detroit), 21, 24's 23, 25's (Saginaw & Cleveland), 27, 28, 34, 35, 36, 40, 43, 44's, 45, 50, 56, 57, 61!"				1015	WBGU-57	Bowling Green OH	R
						1128	W39AA-39	Fort Wayne IN	R
						1745	WKBS-48	Philadelphia PA	R
					17 GW	2255	W62##-62	Sinclairville	R
					Tr	2255	W62##-62	Ellington NY	R
							W62##-62	Clymer NY	N
	2230	WFTB-14	Evansville IN	N					

Antennas: 34-element Channel Master with Winegard preamp for VHF; Finco 7' dish with Blonder-Tongue CMA-Up preamp for UHF. Receivers: 1975 Sharp 12" B/W set (new); 1968 Philco set. Present log totals: 277.

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EDT)

<u>March</u>									
1 Tr	0857	WBBH-20, WEVU-26, WTVX-34			11 Tr	2329	WJCT-7	Jacksonville	R285
4	0540	WBBH-20 Ft Myers 5555R105			15	0008	WBBH-20, WEVU-26		
8	1000	WBBH-20, WEVU-26, WTVX-34				0800	WLGY-10	Largo FL	R170
	2006	WUSF-16, WSWB-35					"full VHF dial to 170 miles"		
	2050	WXLt-40 Sarasota FL	R			0830	WJKS-17, WQJB-20, WMFE-24, WTVX-34, WXLt-40, WTOG-44		
9	0830	WTOG-44 St Petersburg R170				1130	WWSB-35 Orlando FL	R140	
	0840	WBBH-20, WEVU-26, WXLt-40			22	0930	WBBH-20, WXLt-40, WTOG-44		
10	0600	WBBH-20 Ft Myers FL	R	24	2058	ICR2-8 Santa Clara CUBA	R		
	2100	WBBH-20, WEVU-26, WTOG-44				ICR6-3 Santa Clara	T		
11	0530	WBBH-20 Ft Myers FL	R			"//with 8...both nets use same noticias..."			
	2130	WUSF-16, WMFE-24, WEVU-26, WTVX-34, WSWB-35, WXLt-40, WTOG-44, WJKS-17			2135	ICR6-9 Matanzas CUBA	T		
						ICR-6 Havana CUBA	T		
	2309	WJXT-4 Jacksonville	R285			"spring return of the Cubans..."			

"A fairly lousy month compared to John Combs...Did have a bright point...got a broken RCA 23" color set that I fixed for \$11.33 in tubes...Had the pleasure of meeting Dick Clark's wife, Esperanza, who just arrived from the Dominican Republic. See you all at the convention...need somebody from out WEST to bring in the COORS! (Dave Pomeroy take note -bt) 73s"



John F. Combs 816 W. Harvard Orlando, Florida 32804 (EDT)

March		21 Tr	0046	WHTV-24 Meridian MS	N 500
2 MS	0626	WLWD-2 Dayton OH	810	0108	WEMA-40 Anniston AL 445
7 Tr	0655	WRBL-3 Columbus GA	340	0111	WRBL-3 Columbus GA 340
12	0529	WRDW-12 Augusta GA (SC)	345	0114	WSLA-8? Selma AL T
	0621	WTOC-11 Savannah GA	245	0125	WGRG-5 Mobile AL 425
	0622	WALB-10? Albany GA	T	0129	WALA-10 Mobile AL 425
	0623	WERA-14 Allendale SC	345	0130	WLBT-3 Jackson MS 595
	0631	WJHG-7 Panama City FL	275	0130	WDSU-6 New Orleans LA 535
13 Ms	1543	(unID)-2,3 "CCI"		0132	WDAM-7 Hattiesburg MS 510
15 Tr	0954	"Got up late, so probably missed best part..."		0152	WAAV-31 Huntsville AL 525
		WABW-14 Pelham GA	245	0152	WTCG-17 Atlanta GA 405
	0954	WDCO-15 Cochran GA	280	0153	KALB-5 Alexandria LA N 690
	0954	WHNT-19? Huntsville AL	T	0202	WHRC-6 Birmingham AL 475
	0956	WFTV-30 Atlanta GA	405	0232	WAPI-13 Birmingham AL 475
	0956	WKAB-32 Montgomery AL	390	0236	WAGA-5 Atlanta GA N 405
	0956	WYEA-38 Columbus GA	340	0240	WLOX-13 Biloxi MS 480
	0956	WGIQ-43 Louisville AL	340	0720	WEBA-14 Allendale SC 310
	0956	WHAB-46 Atlanta GA	405	0720	WNOK-19 Columbia SC 390
	0957	WDHN-18 Dothan AL	305	0720	WOLQ-25 Columbia SC 390
	1000	WBMG-42 Birmingham AL	N 475	0720	WFTV-30 Atlanta GA 405
	1007	WJSP-28 Warm Springs GA	340	0720	WJPM-33 Florence SC 420
20	0618	WEBA-14 Allendale SC	310	0720	WRLK-35 Columbia SC 390
	0618	WTOC-11 Savannah GA	245	0720	WRBT-36 Charlotte NC 475
	0619	KLFF-10 Lafayette LA	665	0720	WHAB-46 Atlanta GA 405
	0619	WJHG-7 Panama City FL	245	0721	WIS-10 Columbia SC 390
	0627	KNOB-8 Monroe LA	700	0723	WSAV-3 Savannah GA 245
	0627	WJTV-12 Jackson MS	595	0726	WTVD-11 Durham NC 545
	0634	WAFB-9 Baton Rouge LA	605	0726	WBTW-13 Florence SC 420
	0636	WYEA-38 Columbus GA	340	0730	WTOC-11 Savannah GA 245
	0650	KTRK-13 Houston TX	850	0731	WATU-26 Augusta GA (SC) 345
	0652	WDAM-7 Hattiesburg MS	N 510	0734	WNTV-29 Greenville SC 450
	0653	WALA-10 Mobile AL	425	0743	WXII-12 Winston Salem 535
	0657	WHTV-24? Meridian MS	T	0745	WGHP-8 High Point NC 545
	0702	KHOU-11? Houston TX	T	0752	WRDU-28 Durham NC 545
	0708	WRBT-33 Baton Rouge LA	605	0802	WCCB-18 Charlotte NC 475
	0708	WLOX-13 Biloxi MS	480	0803	WCBS-20 Wrens GA N 335
	2159	WJHG-7 Panama City FL	275	0803	WCWE-41 Macon GA 325
	2200	WDTB-13 Panama City	275	0817	WYAN-9 Savannah GA 245
	2200	WEAR-3 Pensacola FL (AL)	385	0824	WDCO-15 Cochran GA 280
	2201	WFSU-11 Tallahassee FL	220	0827	WABW-14 Pelham GA 245
	2245	WTVY-4 Dothan AL	305	0827	WDAM-7 Hattiesburg MS 510
	2245	WDHN-18 Dothan AL	305	0645	WGRG-5 Mobile AL 425
	2245	WABW-14 Pelham GA	245	0645	WWL-4 New Orleans LA 535
	2247	WSFA-12 Montgomery AL	390	0646	WVUE-8 New Orleans LA 535
	2250	WALB-10 Albany GA	280	0654	WBRZ-2 Baton Rouge LA 605
	2307	WRBT-33 Baton Rouge LA	605	0701	WAFB-9 Baton Rouge LA 605
	2315	WVUE-8 New Orleans LA	535	0713	WEAR-3 Pensacola FL (AL) 385
	2326	WDCO-15 Cochran GA	280	0713	KTRK-13 Houston TX 850
	2330	WMAZ-13 Macon GA	325	0730	KERC-2 Houston TX 850
	2335	WCWE-41 Macon GA	325	0731	KLFF-10 Lafayette LA 665
	2339	WYEA-38 Columbus GA	340	0732	KATC-3 Lafayette LA 665
	2352	WMAH-19? Biloxi MS	T	0735	WDTB-13 Panama City FL 275
	2353	WYNS-12? New Orleans	T	0736	WRBT-33 Baton Rouge LA 605
	2358	WWL-4 New Orleans LA	535	0739	WJHG-7 Panama City FL 275
21	0004	WTVN-9 Columbus GA	340	0753	KVRL-26 Houston TX 850
	0018	WKAB-32 Montgomery AL	390	0759	WALA-10 Mobile AL 425
	0021	WCOV-20 Montgomery AL	390	0800	WHTV-24 Meridian MS 500
	0025	WAPT-16 Jackson MS	590	0810	WLOX-13 Biloxi MS 480
	0027	WBMG-42 Birmingham AL	475	0811	WAPT-16 Jackson MS 595
	0032	WCFT-33 Tuscaloosa AL	N 490	0827	WJTV-12 Jackson MS 595
	0040	WXIA-11 Atlanta GA	405	24 Es	1426 (unID) 2-4 "CCI to S."
	0044	WGNO-26? New Orleans LA	T	30 MS	0502 WLWD-2 Dayton OH 810
	0045	WBRZ-2? Baton Rouge LA	T	31 Tr	0617 WTOC-11 Savannah GA 245

"...Mar. 20-23 didn't match the Jan. 25-27 binge distance-wise, but for sheer quantity and consistent reception of 300-800 mile stations, it was unrivaled."

# CENTRAL TV-DX

William J. Draeb  
Ellis St., R.R.#2  
Kewaunee, Wi.  
54216

Deadline: 12th

For the most part, the past month for me was the worse of all the winter months. I thought Spring was on its way a month ago but that old Arctic air doesn't want to release its grip on this part of the country. Temperatures here have been averaging about ten degrees below normal for the past month. The highs have been in the mid 30's and the lows in the mid 20's.

It looks like other dxers in the Central part of the country have fared much better than I. Here's the reports received this month:

Jimmy Morris: Rt. 1 Box 716-A, Phenix City, Al. 36867 EDT-CDT ??

3-10 Tr 0630	WFLA-8 Tampa(350)	3-21 Tr 2205	WTOG-44 St. Petersburg
3-12 Tr 0610	WJXT-4 Jacksonville(260)	3-22 Tr 0510	WESH-2 Daytona Bch(350)
1000	WTOG-44 St. Petersburg(360)	0600	WDBO-6 Orlando(360)
1010	WCJB-20 Gainesville(270)	0610	WFLA-8 St. Petersburg
1015	WJKS-17 Jacksonville(260)	0620	WSOC-9 Charlotte(320)
3-14 Tr 0730	WBRZ-2 Baton Rouge(380)	0625	WLCY-10 Largo(350)
3-15 Tr 0800	WAPT-16 Jackson, Ms.(300)	0626	WJTV-12 Jackson(300)
3-20 Tr 0720	WNTV-29 Greenville(240)	0650	WCIV-4 Charleston(300)
3-21 Tr 0600	WFLA-8 Tampa, Fl.(350)	0651	WCSC-5 " "
0605	WFTV-9 Orlando, Fl.(360)	0652	WTVT-12 " "
0610	WINK-11 Ft. Meyers(460)	0700	WPEC-2 W.Palm Bch(500)
0615	WBBH-20 " "	0705	WFTV-5 " "
0620	WAFB-9 Baton Rouge(380)	0710	WCBD-2 Charleston(300)
0621	KLFY-10 Lafayette, La.(420)	0712	WBBH-20 Ft. Meyers(460)
0623	KNOR-8 Monroe, La.(390)	0715	WINK-11 " "
0625	WJTV-12 Jackson, Ms.(300)	0720	WTVT-13 Tampa(350)
0700	WDAM-7 Hattiesburg(250)	3-23 Tr 0515	WCIV-4 Charleston(300)
0710	KPRC-2 Houston, Tx.(640)	0520	WLBT-3 Jackson(300)
0715	WBRZ-2 Baton Rouge(380)	0600	WWL-4 New Orleans(320)
0720	WXLt-40 Sarasota(400)	0700	WVUE-8 " "
0725	KVUE-24 Austin, Tx.(780)	0705	WBRZ-2 Baton Rouge(380)
0730	KVRL-26 Houston, Tx.(640)	0710	WAFB-9 " "
0740	KFTV-39 " "	0720	KLFY-10 Lafayette(420)
0745	KTVV-16 Austin, Tx.(780)	0745	WDSU-6 New Orleans(320)
0800	MAU-17 Brookhaver, Ms.(310)	0746	KATC-3 Lafayette(420)
0805	WMAO-23 Greenwood, Ms.(300)	0750	WRBT-33 Baton Rouge(380)
0810	KLA-14 West Monroe, La.(390)	0800	KVRL-26 Houston(640)
0930	WTOG-44 St. Petersburg(360)	3-24 Ms 0600	KYW-3 Philadelphia(800)
0935	WGNO-26 New Orleans(320)	0614	WCIA-3 Champaign(560)
2200	WRBT-33 Baton Rouge(380)	3-25 Tr 0100	WCCB-18 Charlotte(320)
	2200 WXLt-40 Sarasota(400)		Log at: 181

"Tropo conditions improved with arrival of Spring. UHF distance reached 780 mi. During a four day span 22 new stations were added. This brings total to 181." (Nice going on the 700+ mi. tropo; wish conditions were like that here--wd)(I have a question; which time zone are you in, Central or Eastern? --wd)

Mervin Shults: R.R.#2, Toulon, Il. 61483 CDT

2-11 Es 1759	WEDU-3 Tampa 3343	3-11 Ms 0619	KRIS-6 Corpus Christi, Tx.
	WESH-2 Daytona Beach 3142	0628	KAUZ-6 Wichita Falls, Tx.
	WPBT-2 Miami, Fl.(Es drop out before 1900)	0437	WSYR-3 Syracuse, N.Y.
2-17	Blonder Tongue CMA-Ub installed.	0445	WFSB-3 Hartford, Ct. T
3-10 Ms 0420	WTAR-3 Norfolk, Va.	0447	Unided-3(i.d. slide, not seen before, E; large block letters across middle).
0440	KYW-3 Philadelphia, Pa. T	0629	Unided-6; #11 Retma tp S.
3-11 Ms 0435	" "	Tr 0220-0308; WIIIC-11; "Chiller Theatre"	
0452	WRAL-5 Raleigh, N.C.(3/4 cb, 1-16 i.d. in lower right)	0312	WENS-10 Columbus, O.; 0315
0546	unid-6(ENE; "Action News" in middle of screen.)		"Niteowl News" For Central Ohio"
0548	unid-6(ssb with Lincoln Monument.)		followed by all nite movies.
		0325	WUAB-43 Lorain, Ohio 2225



Shults; continued---

3-16 Tr 0859 WUAB-43 Lorain(probably in all nite)  
 0900 WKBF-61 Cleveland, Oh.  
 WKBD-50 Detroit, Mi. T  
 2145 WBGU-57 Lima-Bowling Green  
 2200 WGVG-35 Grand Rapids  
 WUAB-43 Lorain, Oh.  
 WKBF-61 Cleveland, Oh.  
 3-19 Tr 0800 KBMA-41 Kansas City 4555  
 KTSB-27 Topeka, Ks. 3332  
 0815 KVPD-21 Ft. Dodge 2232  
 0829 KMTC-27 Springfield 3332  
 (cc: from WKOW-27)

3-19 Tr 0830 W75AK Jacksonville, Il. 2225  
 0835 KMBC-9 Kansas City 3433  
 0836 KODE-12 Joplin, Mo. 3443  
 0859 KUHI-16 " " 3445  
 KOUH-8 Columbia (over WQAD)  
 0853 KOZK-21 Springfield 3343  
 0930 KCMO-5 Kansas City 2332  
 3-20 Tr 2205 WFIE-14 Evansville 4444  
 2214 WTVW-7 " "  
 2229 WKGB-53 Bowling Green, Ky. (with cci)  
 WKPI-22 Pikeville, Ky.  
 2259 WINN-9 Evansville 3222

"On February 17, I temporarily installed a BT CMA-Ub on a 4 bay UHF at 24 ft. Ever since I have been receiving WUHQ-41 from Battle Creek with varying amounts of signal. WUHQ-41 is received in everyday even during snowstorms. Apparently missed a tropo opening on 3-15 evening by not being home but did catch WIIC-11 Pittsburgh "the news station" with Chiller Theatre early on 3-16. Seven new stations during period brings the log to 319."

Paul Gaines; 15920 Puritan St., Detroit, Mi. 48227 EST

3-16 Tr 0001 WNDU-16 In. 4523(165)  
 0009 WICD-15 Il. 4544(330)  
 0030 WKBN-27 Oh. 2533(155)  
 0035 WVIZ-25 Oh. 4555(100)  
 0037 WAKR-23 Oh. 3544(125)  
 0045 WLF1-18 In. 2542(240)  
 0058 WJAN-17 Oh. 2533(145)  
 0140 WPTA-21 In. 2523(140)  
 0159 WANE-15 In. 2533(140)  
 0203 WKJG-33 In. 2533(140)  
 0234 WRTV-6 In. 2332(240)  
 0240 WLWI-13 In. 2332(240)  
 0255 WTTV-4 In. 1531(240)  
 0331 WLWT-5 Oh. 1532(240)  
 0333 WLWC-4 Oh. 3534(165)  
 0337 WENS-10 Oh. 4555(165)  
 0347 WUAB-43 Oh. 4543(80)  
 0503 WKBW-7 N.Y. 1532(220)  
 0507 KDKA-2 Pa. 2533(210)  
 0522 WIIC-11 Pa. 4044(210)  
 0524 WLWD-2 Oh. 2021(190)  
 0534 WICU-12 Pa. 4542(160)  
 0542 WTVN-6 Oh. 4043(165)

3-16 Tr 0552 WTRF-7 W. Va. 1011(200)  
 0655 WXIX-19 Oh. 2522(245)  
 0710 WHIZ-18 Oh. 3532(180)  
 0750 WPGH-53 Oh. 3533(210)  
 0925 WTAP-15 W. Va. 2544(235)  
 1926 WNEB-17 N.Y. 2532(220)  
 2027 WBGU-57 Oh. 2522(75)  
 2029 WKBF-61 Oh. 1522(100)  
 2032 WSEE-35 Pa. 1422(160)  
 3-17 Tr 0550 WGN-9 Il. 5555(235)  
 0558 WSTV-9 Oh. 1111(170)  
 0559 CFTO-9 On. 2532(210)  
 0608 WSBT-22 In. 5534(165)  
 0700 WNDU-16 In. 5544(165)  
 0759 WTVW-17 Il. 2522(300)  
 3-21 Tr 0020 WPGH-53 Pa. 2522(210)  
 0057 WIIC-11 Pa. 4554(210)  
 0457 KDKA-2 Pa. 1533(210)  
 0458 WLWD-2 Oh. 1011(190)  
 0459 WLWT-5 Oh. 1022(240)  
 0526 WTJ-10 Pa. 2522(280)  
 0750 WBOY-12 W. Va. 4532(265)  
 0759 WSTV-9 Oh. 5522(170)

Two new stations bring log up to 152.

Donald B. Ruland; 4448 68th Place, Kenosha, Wi. 53140 CDT

3-15 Tr 0930 WLKY-32 Louisville(330)  
 WTVQ-62 Lexington(360)  
 WKON-52 Owenton(330)  
 1000 WPBO-42 Portsmouth(370)  
 1900 KDLN-30 St. Louis(300)  
 3-16 Tr 0945 WUAB-43 Lorain(310)  
 WKBF-61 Cleveland(330)  
 WPGH-53 Pittsburgh(430) T  
 0950 WAKR-23 Akron(340)  
 WYTV-33 Youngstown(380)  
 WKBN-27 " "  
 1030 WVIZ-25 Cleveland(330)  
 1100 WSEE-35 Erie(400)  
 1130 WJET-24 " "  
 WQLN-54 " "  
 WETA-26 Washington(630) T  
 WSKG-46 Binghamton(620) T

3-17 Tr 0520 WJW-8 Cleveland(330)  
 0530 WENS-10 Columbus(320)  
 WCPD-9 Cincinnati(300)  
 0550 WSEE-35 Erie(400)  
 0553 WHIZ-18 Zanesville(360)  
 0556 WJET-24 Erie(400)  
 0600 WAKR-23 Akron(340)  
 0630 WOSU-34 Columbus(320)  
 0700 WVIZ-25 Cleveland(330)  
 WNEO-45 Alliance(360)  
 0720 KRIN-32 Waterloo(230)  
 4-11 Tr 0545 WJW-8 Cleveland(330)  
 0550 WAKR-23 Akron(340)  
 0700 WVIZ-25 Cleveland(330)  
 WOSU-34 Columbus(320)

Log at: 372

CENTRAL TV-DXMay 1975

Ruland; continued---

"Outside of opening on 3-15 to 3-17 this was another lousy month. Absolutely no signs of E-skip as yet". (In answer to your question, the ch. 39 you saw is in Ft. Wayne and it's suppose to be a translator. I don't know their call.--wd)

Paul E. Petosky; 712 Brook St., Munising, Mi. 49862 (906)-387-4712 EDT

3-9 Au 2100 chs. 2-6 N; no id's.  
 3-11 Tr 0110 WTMJ-4 Milwaukee(235)  
           WITI-6 " "  
     Au 0115 chs. 2-6 N; no id's.  
 3-13 Tr 2215 WPNE-38 Green Bay(145)  
           WGTU-29 Traverse City(135)  
 3-14 Tr 0140 WITI-6 Milwaukee(235)  
           WISN-12 " "  
 3-15 Tr 2145 WPNE-38 Green Bay(145)  
           2330 WGTU-29 Traverse City(135)  
 3-17 Tr 1915 " " "  
           WPNE-38 Green Bay(145)  
           2150 WWTW-18 Milwaukee(235)  
           2250 WGTU-29 snow free  
 3-17 Tr 2255 CBLAT-3-9 Wawa(140)(snowfree)  
           CBLAT-4-11 Marathon(160)( " )  
 3-18 Tr 0015 WBAY-2, WLUK-11, WWTW-9, 4-9 Tr 0135 WWTW-9 Cadillac(160)  
           WPEN-7, WTON-4(all snowfree) 0140 WTVW-7 Evansville(580)  
           0110 CBLAT-2-12 White River(165) 1230 CHFD-4 Thunder Bay(185)  
           CBLAT-13 Geraldton(230) Au 2335 chs. 2-6 N; no id's.  
 3-21 Tr 0015 CBLAT-3-9 Wawa(140) Tr 2340 WAEO-12 Rhinelander(140)  
           CBLAT-4-11 Marathon(160) (snowfree)  
           CHFD-4 Thunder Bay(185) 2345 CBLAT-2-12 White River  
           CKPR-2 " " (165)  
 3-23 Tr 1520 WGTU-29 Traverse City(135) 4-10 Tr 0015 CHFD-4 Thunder Bay(185)  
           Au 2330 chs. 2-6 N; unided(23 deg)

"Trop Haven" during March proved to be a little on the up-trend side, having logged nothing spectacular in distance, but, rather constant as nearing the first day of Spring on the 21st. Good trop days noted by the Northern Great Lakes area were March 17th, 18th, 21st, 23rd, 29th. Logged a nice MS on March 30th, a 3-second burst at 0312, a new one to my growing list, WCBI-TV, channel 4, Columbus, Mississippi over 895 miles. Caught their station ID at this time. As you can imagine I was very excited! I noted numerous bursts throughout the morning on ch.4 but managed to log only WCBI.

In other news concerning the TV DX world; heavy snow staggered a wide area of the Upper Mid-West and plains and freezing rain and sleet slowed travel and knocked out electrical power in numerous sections of the country to the South. The winds toppled a 1,565 foot transmitting tower for KXON-TV at Mitchell, South Dakota, Thursday, March 27th when freezing rain caused an ice build up on the structure. A 620 foot cable-television tower also fell in the winds at Godahl, Minnesota.

Anyone wishing to donate for SUPPORT CHANNEL 6 PUBLIC TV, send your contribution to: Central Michigan University, Development Office, Mt. Pleasant, Mi. 48859. In an article from the Republican-News published in St. Ignace, Mi.; Howard Tamlyn, local businessman in St. Ignace, becomes one of the first in the Upper Peninsula to contribute to WCML Public TV (channel 6). Mr. Tamlyn says "I'm glad to make a contribution to this fund raising effort which will bring public television and its educational and cultural benefits to the children and adults of Northern Michigan". "Trop Haven" sent in a \$10 contribution to help the cause and other TV DXers also wishing to donate to the above cause are suggested to send in your donations at the above address. It's tax deductible!!! (If you want to learn more about WCML and it's fund-raising, refer to the April VUD--wd). (Paul also sends along an interesting verification which he received from WENG-12 Binghamton, N.Y.--wd)



CENTRAL TV-DXMay 1975Rod Louma; 38540 Five Mile Rd., Livonia, Mi. 48154 EST

12-26 Es 1710 KATC-3 Lafayette, La. 3-16 Tr 0840 WICU-12, WSEE-35 Erie, Pa.  
 2-27, 2-28, 3-5, 3-6, 3-13, 3-14-- 0850 WPGH-53 Pittsburgh, Pa.  
 "Tried to get from 0515-0545 each of these Youngstown U's  
 mornings with few bursts and no i.d.'s." CPFL-10 London, On.  
 3-15 Tr 2200 WBOY-12 Clarkburg, W.Va. WENS-10 Columbus, Oh.  
 Cleveland V's & U's 0900 WHIZ-18 Zanesville, Oh.  
 2220 WKRC-12 Cincinnati, Oh. WJAN-17 Canton, Oh.  
 2235 WJAN-17 Canton, Oh. 0930 WBGU-57 Bowling Green, Oh.  
 WSBT-22 S.Bend, In. 1000 W26AA (WVED-17) Jamestown,  
 2350 WPGH-53 Pittsburgh, Pa. N.Y.  
 3-16 Tr 0840 WQED-13 " " 1010 WTAP-15 Parkersburg, W.Va.  
 3-17 Tr 2230 WICU-12 Erie, Pa.  
 (Thanks for the report Rod; hope to hear from you again soon--wd)

James H. Gould; R.R.#3, Kokomo, In. 46901 (317)-452-9585 EST-CDT

3-1 Tr 2200 WLJT-11 Lexington, Tn. 3-13(366)  
 3-4 Tr 0700 WAAV-31 A1. 1224(410) T 3-15 Tr 2027 WWVU-24 W.Va. 5533(332)  
 3-10 Au 1730 chs. 2-13; no id's. Detroit & Cleveland U's  
 3-12 Tr 2000 WAAV-31 A1. 2213(410) snowfree.  
 3-15 Tr 0630 WMO-13 Ia. thru local(390) 2030 WSVH-47 Va. 4534(317)  
 0640 WMBG-42 A1. 3535(490) 2150 WPGH-53 Pa. 4534(320)  
 0644 two unids ch. 38; 8-883321 3-16 Tr 0200 WTJ-10 Pa. 5542(425)  
 0650 WMAE-46 Ga. 3534(485) 0905 WUTV-29 N.Y. 5543(404)  
 0700 WYEA-38 Ga. 4521(568) 0920 Global chs. 22&29 5543  
 0800 WAAV-31 A1. 3522(410) 0930 W26AA (WVED-17) N.Y.  
 WKSL-48 A1. 2322( " ) 1055 WGLN-54 Pa. 3535  
 0802 WFIQ-36 A1. 2325(405) T 1107 W26AA snowfree 5533(370)  
 0820 WMAE-40 A1. 2435(482) 1555 W46AB (WVED-17) N.Y.  
 0823 WGIQ-43 A1. 4543(613) 3010(370)  
 WATQ-26 A1. ---- T (W46AB) is 0 to 10kc with  
 0900 WTCI-45 Tn. ---- (385) WMSH-46 (W26AA is approxi-  
 10 or 20 kc cci on chs. mately 0 kc with WCIU; cci  
 43, 42, 31, 45, 26, 28 before appeared as diagonal bars;  
 Chicago came on. also, W46AB carries some  
 0905 WFLA-31 Fl. 3542(339) programming as W26AA.)  
 1000 WRET-36 N.C. 2234(473) (The phone no. which ch. 26  
 1300 WJHL-11 Tn. 5533(360) showed was 1-716-881-4800.)  
 1735 WFIQ-36 A1. 3535(405) 3-17 Tr 0640 WUTV-29 N.Y. 3525(404) T  
 1740 St. Louis & Cape Gir- 3-28 Tr 1900 KROC-10 Mn. 3413(396)  
 ardeau stns. snowfree. Log now at: 480

William J. Draeb; Ellis St. R.R.#2, Kewaunee, Wi. 54216 CDT (414)-388-2350

3-20 Tr 2040 Dayton U's(368) 4-6 Tr 0655 WTHI-10 Terre Haute(348)  
 Cleveland U's(355) WAND-17 Decatur(315)  
 Erie U's(405) 0715 WIIL-38 Terre Haute(348)  
 WOSU-34 Columbus(395) 0845 KDNL-30 St. Louis(432)  
 3-22 Tr 1858 KDNL-30 St. Louis(432) KCBJ-17 Columbia(450)  
 3-23 Tr 1104 " " " 0854 KMTC-27 Springfield(589)  
 Es 1908 ch. 3 unids; SSW. 1935 WUSI-16 Olney(402)  
 3-26 Tr 1859 KDNL-30 St. Louis(432) 4-7 Tr 0822 KDNL-30 St. Louis(432)  
 3-30 Tr 1909 " " " 4-8 Tr 0630 WKCF-22 Dayton(368)  
 WICS-20 Springfield(325) 0827 KDNL-30 St. Louis(432)  
 Indianapolis U's(336) 1703 WUSI-16 Olney(402)  
 1934 Dayton U's(368) WVUT-22 Vincennes(405)  
 WOSU-34 Columbus(395) 4-12 Tr 0558 WCPQ-9 Cincinnati(400)  
 Dayton U's(368) WKRC-12 " "  
 WOSU-34 Columbus(395) CBFST-3-12 Elliot Lake  
 4-1 Tr 1853 Dayton U's(368) WDIQ-10 Duluth(286)  
 WOSU-34 Columbus(395) CKNC-1-7 Elliot Lake(270) T  
 4-5 Tr 1704 KDNL-30 St. Louis(432) T 4-13 Tr 0110 0800 WLKY-32 Louisville(437)  
 Dayton U's(368) 0918 WKYT-27 Lexington(473)  
 WREB-40 Indianapolis(336) WLEX-18 " " T  
 4-6 Tr 0655 WICD-15 Danville(300) 1815 WOSU-34 Columbus(395)

# WESTERN TV DX

Dennis Park Smith  
2237 1/2 Ceres Avenue  
Chico, California 95926  
Telephone 916 343-9424  
Deadlines: 8 May, 5 Jun

This is usually the low point of the year for TV-FM DX conditions, and the number of reports this time seems to indicate this. The only Midwest tropo reported so far for March is from south Texas, so perhaps it was good only in the vicinity of the Gulf, where it was on 19-26 March, especially on 21st, when Pat Dyer noted Florida UHF up to 1040 mi. A bit of MS DX was reported here and there. There has been lots of turbulent weather around the U.S.A., with tornadoes on such dates as 18, 19, 22, 27 in March, and 2 & 9 in April so far; but even with this, sporadic-E reports have been scarce. Even in south Texas, only 2 days were observed above 54 MHz, and 2 other days in central California.

		aft	am	eve	aft
Sporadic-E	March	3	10	15	26
Number of reporters		1	1	1	1
MUF at least(ch/MHz)		2	3	923	2

Steven C. Wiseblood, 707 Loma Way, Santa Maria, California 93454 (6 Mar - 6 Apr) (PDT)

Equipment: ACA-525 25-el. for VHF, and ACA 22-el. for UHF

12 tr	1115 KOVR	13	Stockton CA	2244R	245 (17)(tr)	1804 KMST	46	Monterey CA	1045	130
	1129 KOOP	13	Los Angeles CA	2324"	135	1826 KSEW-	8	Salinas CA	5555	135
	1640 KGO	- 7	San Francisco CA	2534	228	18 tr	1659 KTVU	2	Oakland CA	2543 230
	1843 KRON-	4	San Francisco CA	2423	228	19 tr	1801 KGO	- 7	San Francisco CA	2534 228
	2024 KTVU	2	Oakland CA	3534	228		1958 KTVU	2	Oakland CA	2543 230
15 tr	0848 KMST	46	Monterey CA	3455	130	20 tr	1654 KPMB-	8	San Diego CA	3334 230
	0854 KNTV	11	San Jose CA	5555	165	21 tr	1424 KPMB-	8	San Diego CA	2434 230
Es	1925 unId	2	n.w. (KATU?)				1800 KABC-	7	Los Angeles CA	2535 135
	1957 KMID-	2	Midland TX	4423	1066	22 tr	0843 KCRA-	3	Sacramento CA	3545 245
	KACB-	3	San Angelo TX	2040T1168	24	tr	0946 KQED	9	San Francisco	2433 228
	KWAB	4	Big Spring TX	2333	1094		2058 KGO	- 7	San Francisco	2554 228
	2003: MUF	● 92.3	to Midland TX		29 tr	1555 KPMB-	8	San Diego CA	2555 230	
	2015 XHCH-	2	Chihuahua Chih	T 948	30	tr	1636 KGO	- 7	San Francisco	2534 228
	2135 KREM-	2	Spokane WA	3344	899	31 tr	0647 KSEW-	8	Salinas CA	5555 135
	KXLY-	4	Spokane WA	1022T	899		1744 KGO	- 7	San Francisco	3424 228
17 tr	1724 KQED	9	San Francisco	3444	228	A2 tr	1137 KTVU	2	Oakland CA	2544 230
	1727 KGO	- 7	San Francisco	2555	228		2005 KMST	46	Monterey CA	1055 130
	1732 KXTV	10	Sacramento CA	2424	245	3 tr	0715 KSEW-	8	Salinas CA	5555 135
	1735 KTVU	2	Oakland CA	2534	230		2003 KMPH	26	Tulare CA	2445 140

There has not been much DX in March, probably due to the passage of many cold fronts and much rain here. April isn't turning out to be much better. Temperatures are way below normal. The Es season is nearly here and I hope there's as much this year as there was last year. 73's.

Buck Battin, 1209 Richmond Drive S.E., Albuquerque, New Mexico 87106 (March) (MDT)

During this last month, it seemed that Albuquerque is possibly the worst place on the face of the earth for DX. It's too mountainous for tropo, too far south for auroral reception, too far north for TE—and the "Great God of Sporadic E Skip" has boycotted the place. My reception report for March follows:

15 MS 0930 KETS 2 Little Rock, Arkansas

The month was more of a disaster than just that reception report. I took the plunge and put up a 10-element high-band yagi. It was up for a week—then my rotor fell apart and my yagi came down. After that I installed a Jerrold JUP-4 UHF antenna (a 6-ft parabolic dish that never got completed). Then came what I was waiting for—a cold front moving in meeting stationary warm air. It should have formed a line between me and the closest UHF to me, 190 miles away in Las Cruces. It may have, I don't know. It also caused high winds which buckled my mast and down came the JUP-4. My 10-el. low-band yagi still stands, along with a cheap combination VHF-UHF I got at Radio Shack. Come on, Es!



Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228

(5 Mar - 7 Apr)

(CST)

Equipment: 1971 model 9-inch black-and-white Penncrest with Archer V-100 and 8-bay bow tie at 20 feet with rotor											
5 tr	2059	KMID- 2 TX	280	(20)(tr)	2015	WTOG-44 FL	985	(22)(tr)	2050	KXTX-39 TX	T 250
	2108	KOSA- 7 TX	270			St.Pete(NCAA bktbl)			2052	KXAS 5 TX	240
10 Es	0647	unIds 2,3 north			2059	WBBH-20 FL	1040			Ft.Worth(telethon)	
	0658	KDLO- 3 SD	1070			Ft. Myers			2110	WGNO-26 LA	T 510
	0659	KUSD- 2 SD	920		2101	KPLC- 7 LA	325		2300	WAPT 16 MS	525
	0703	KMTV 3 NE	820			KLFY-10 LA	395	23 tr	0005	XHAB- 7 Tamp	T 250
	0715	f/out			2109	WAFB- 9 LA	450		0008	KTBS- 3 LA	350
	0900	high meteor levels				WINK-11 FL	T1040		0045	WJTV 12 MS	T 525
Es	1115	unId 2 nw.(UT,AZ,MT?)			2115	WSWB-35 FL	T1035		0059	KOTV 6 OK Tulsa	485
11 tr	1950	XHAB- 7 Tamp	T 250			Orlando			0135	KTUL- 8 OK	485
17 tr	0830	WAFB- 9 LA	T 450		2122	KATC 3 LA	395			Tulsa (telethon)	
		KPLC- 7 LA	T 325			WMAW 14 MS	620			WFAA- 8 TX	250
		WRBT 33 LA	T 450			WMAU 17 MS	470		0142	KARK- 4 AR	N 515
19 tr	0850	WAFB- 9 LA	T 450			WMAH 19 MS	570			LittleRock(telethon)	
		WRBT 33 LA	T 450		2145	WMAA 29 MS	525		0152	WLBT 3 MS	525
	0859	KPLC- 7 LA	325		2155	KALB- 5 LA	T 385			Jackson(telethon)	
		KBMT-12 TX	T 275		2235	WXLT 40 FL	990	25 tr	2045	WRBT 33 LA	450
	2200	WBRZ 2 LA	T 450			Sarasota			2100	WAFB- 9 LA	T 450
		WAFB- 9 LA	T 450		2250	WDHN 18 AL	T 795		2109	WGNO-26 LA	T 515
	2259	WRBT 33 LA	450			Dothan			2355	XHX -10 NL	T 275
2340	XHD - 4	Tamp	T 505		2302	WAPT 16 MS	525			XEPB- 3 NL	T 275
	XHAB- 7	Tamp	T 250			WJKS-17 FL	1015		2358	KRGV- 5 TX	225
	XEPB- 3	NL	T 275			Jacksonvil(NCAA bktbl)		26 tr	0001	KPLC- 7 LA	325
	XHX -10	NL	T 275		2358	WLBT 3 MS	525		0042	KDFW 4 TX	250
	2359	KRGV- 5 TX	225	21 tr	0010	WEAR- 3 FL	685		0045	WFAA- 8 TX	250
20 tr	0002	XHAH- 8 VC	T 700		0020	WFAA- 8 TX	T 250		0047	KSLA-12 LA(tp)	350
		Las Lajas			0025	WVUE 8 LA	510		Es	1225	Cuba 2
	XHTP- 9	Yuc	T 820		0530	WRBT 33 LA(cb)	450		1230	WPBT 2 FL	T1150
		Merida			0535	WMAW 14 MS(tp)	620		1250	f/out	(cb)
	0005	KPLC- 7 LA	325			WMAA 29 MS(tp)	525	ms	1258	YSR - 2	ELSal T1200
	0015	XHAJ- 5 VC	T 700			WMAU 17 MS(tp)	470	27 tr	2110	XHAB- 7 Tamp	T 250
		Las Lajas				WMAH 19 MS(tp)	570		2125	KGBT- 4 TX	230
		unId 6 (Mex.net5)			0540	WAPT 16 MS(cb)	525			(audio o/local)	
	0018	XEPB- 3 NL	275		2255	WRBT 33 LA	T 450		2310	XHGO- 7 Tamp	T 505
		(only one w/Id s/off)				WAFB- 9 LA	T 450		2320	XHD - 4 Tamp	T 505
	0023	net-2 unids on chs		22 tr	0805	WRBT 33 LA	T 450		2355	XHPW- 9 Tamp	T 505
		4,7,8,9,10,11 t/off			1000	WAPT 16 MS	T 525	A1 tr	2155	WAFB- 9 LA	T 450
	0033	net-5 unids on chs			1200	WMAU 17 MS	470			WRBT 33 LA	450
		5,6,9 t/off			1235	WMAH 19 MS	T 570			WGNO-26 LA	T 515
	0059	XHST-13 Yuc	T 820		1310	KALB- 5 LA	T 385	2 tr	0001	KPLC- 7 LA	325
		Merida			1329	WMAA 29 MS	T 525		0550	WRBT 33 LA	T 450
	0830	WRBT 33 LA	T 450		1520	WGNO-26 LA	T 510	3 ms	1400	rates up	
	0904	WMAU 17 MS	T 470			KBMT-12 TX	T 275	4 tr	2117	KPLC- 7 LA	325
		WMAH 19 MS	T 570			WAFB- 9 LA	T 450			WAFB- 9 LA	T 450
	1955	WAIQ 26 AL	T 750		1600	f/out of Us; an extrm-ly long-lived duct for over-landpaths		5 tr	0829	KOSA- 7 TX	275
		WMAH 19 MS	T 570						2328	KSWG- 8 NM	440
		WRBT 33 LA	450							KMID- 2 TX	280
	2000	WGNO-26 LA	T 510		2045	WAFB- 9 LA	T 450	6 tr	0010	KMOM- 9 TX	295
		WAFB- 9 LA	T 450			WRBT 33 LA	T 450		0017	KBTM-10 NM	440

Good trop condx Mar 19-26. The most annoying facet was having all those Mexico stations in and shutting down without ID's (right in the middle of sentences in some cases). XELGE, while in town last January, said that there was a possibility that stations would start to ID individually soon, but no sign of that yet.

Es has been ominously quiet this March—likely the poorest showing since 1967 or 1968 for the month. If April is similar it doesn't bode well for the season. 73, WA5IYX.

Best of DX to all

Dennis

# THOSE ELUSIVE VERTICALS

-- OPPORTUNITY AND CHALLENGE TO THE DXER AT HOME OR IN THE CAR

By Bruce F. Elving, Ph.D., "FCC-FM" Editor, WTFDA

A favorite trick among both TV and FM DXers is to employ a vertical receiving antenna for skip, the theory being that when a station comes in by means of skip a polarization change may occur, so even signals sent out horizontally may come in best on a vertical system. Since all FM and TV signals are horizontal to start with, the use of a vertical receiving system can help to cut down on interference from strong local signals, thus allowing the desired skip signals to come in better.

An even better reason for paying attention to the vertical component of an FM station, in my opinion, is to prepare oneself for more drops catches. Desired stations with vertical polarization on the same or adjacent frequency to locals or semi-locals that are horizontal only may be picked up vertically, but not otherwise. In Duluth, for example, WDUZ-FM Green Bay WI or WQXO Munising MI can be received on the vertically-mounted rotatable FM yagi antenna, whereas using a horizontal receiving antenna, it is nearby WNBI-FM Park Falls WI that dominates the 98.3 MHz channel. Adjacent channel reception on \*91.1 MHz of St. Paul MN and Houghton MI is aided by the use of the vertical antenna, with a local occupying the 91.3 spot. It is conceivable that with a combination of vertical and horizontal polarization one could separate stations only 100 kHz from strong locals, such as when going after Latin American FM stations on even frequencies, like 88.8 or 100.0 MHz, with locals on 88.7 and 100.1.

With more and more cars now FM-equipped, and with FM DXers increasingly tuning in FM in the car, both for general listening and for mobile FM DXing--particularly when conditions are well above average, or when driving or parking in areas extremely favorable for long-distance FM, like scenic mountain overlooks--the presence and knowledge of vertically-polarized stations is of crucial importance. Of course, if your car is a General Motors product with a windshield antenna, you don't have the need to be really concerned about which stations utilize vertical polarization or not; you just have to be content with poorer overall reception and the need to orient your car in a favorable position with reference to desired stations. Thus, in a mountaintop parking area you'd do best to park facing the direction of desired stations and try for whatever DX you can get, perhaps moving the car periodically to face different directions in order to log additional stations.

Using a vertically mounted car antenna 31 to 33 inches long should give you the best car radio reception, but only when listening to stations sending out a vertically as well as a horizontally polarized signal. FCC rules require all FM stations to transmit horizontally, with the use of vertical radiation an option. Experiments in Chicago are being conducted to determine the feasibility of allowing TV stations to transmit both horizontally as well as vertically, with the advantage claimed for vertical that better reception on home rabbit ears is facilitated. Since sending out v as well as h doubles the power requirement for the same effective radiated power, such a move could have tremendous implications on our nation's energy conservation front, symbolically if not actually. In my opinion, there is less justification for dual polarization in TV than in FM, because the home TV viewer can adjust his or her home antenna for optimum reception, while the mobile FM listener needs all the signal advantage possible for FM reception to be noise-free and in stereo at distances comparable to mobile AM reception.

Finding out which FM stations have vertical polarization can be a problem. Broadcasting Yearbook and magazine list FM stations with vertical only when the vertical ERP is different from the horizontal ERP. This is only a minority of stations, with the vast majority sending out the same power, vertical as well as horizontally, using "circular polarized" transmitting antennas. "Circular polarization" should not be confused with "circular radiation," the latter meaning a nondirectional signal, radiating in a circular pattern. Many stations themselves are confused by this difference, and merely consulting your QSL's from FM stations will not supply conclusive proof of the existence of vertical polarization at a given station.



The only places where vertical polarizations are published, besides in my column in the VUD and in the FM Atlas, are in FCC news releases dealing with station applications and in the "TV-FM Addenda" to Television Digest, and then not with 100 percent reliability. I consult both sources, but to extract a given vertical means a search back as far as two years to when the original application was filed and noting if v was mentioned. Often, v is not mentioned, but the make of the station's transmitting antenna is, and by consulting catalogues of such companies as Gates, RCA, and Shively one can tell if a station has v or not. Believe me, this is very time consuming, but I believe the vertical component in FM broadcasting to be of such great importance to both the FMDXer and the traveler that I am willing to spend considerable time in tracking down this elusive element.

Detecting the presence of vertically polarized FM signals can be very challenging to the DXer. No red light comes on to tell when you have a v station coming in, like it does for stereo. Stations are not likely to mention that they have vertical or circular polarization, even during sign-offs. Direct inquiry by phone or letter might elicit misleading results. Playing around with rabbit ears at home cannot give conclusive results. The best way I've found for detecting v on nonlocal stations is through the use of three antennas, such as at my mother's house in Duluth. There, I have a horizontal yagi antenna atop its own tower and rotator, a vertically mounted antenna atop a separate tower with rotator, and a small omnidirectional antenna. With the help of a Jerrold three-way antenna switch, I can instantaneously select any of the three antennas. When a station is received better on the omnidirectional antenna than on the vertical only antenna, even when the v antenna is aimed at the station, I can tell that the station lacks v, especially when compared to the usually significant gain exhibited over the small omnidirectional antenna when the switch is turned to the horizontal antenna. Indeed, with a station sending out both a v and h signal, results on the two kinds of yagi antenna are quite similar.

It is also possible to fairly well perceive the existence of vertical by listening on your car FM to stations near their fringe areas, comparing results among several known vertical and horizontal-only stations. This, of course, is true only if your car has a vertical receiving antenna. While on the subject, I might mention that the best car FM radios I've heard, from a sensitivity standpoint, are Ford Motor Company factory installed ones; Chrysler factory-installed are a second, and the older Blaupunkt and Becker radios from West Germany a close third. Delco monophonic radios, such as in '67 and older General Motors' cars with vertical antennas were good, too. If you are installing a replacement antenna, avoid types with a spring or well mounting, as these devices actually null out FM reception. I, therefore, have doubts about Cadillac's retractable antenna as being efficient for FM. Corvettes with their fibreglass body and rear-mounted antenna, and their too-long cable to the radio, were bad news, too.

A very good way to tell if a station has vertical or not is to look at its transmitting antenna. Are the rings or fingers way up near the top of the tower pointing only straight across, or are there protuberances that go up and down? Some circular polarized antennas have their radiating elements positioned at an angle, forcing energy to go out at vertical as well as horizontal angles. So, as you drive, ride or walk around the countryside, look at the FM transmitting antennas, and write to let us know about any new vertical discoveries you may make.

In designing a receiving set-up to make maximum use of the vertical component, I have found it necessary to use a separate tower from that on which the horizontal antenna is mounted. Interaction between the two can be so severe that, if you have the space and strength to accommodate two antennas above the rotator, it is better to double stack the two horizontally rather than to have one a v and the other an h. It is best to have your vertical antenna, preferably a rotating yagi, on a separate tower and offset from the tower on which it is mounted, although some DXers use just a single element, which does not have to be rotated, but which gives low gain for their vertical reception. Separate leads should be run from the vertical and horizontal antennas to the receiver, with a switch available to change signals instantaneously. So equipped, you will probably hear a lot more on both skip and tropes than you would with just a deluxe horizontal receiving antenna system for FM. And by paying attention to these elusive verticals, your car FM reception should be more interesting and enjoyable.

# SOUTHERN · FM DX

Editor: Ted Fleischaker  
3023 Tremont Drive  
Louisville, KY 40205.  
(502) GL4-4877.  
Deadline: 12th.

Hello out there in radioland....seems the ranting and raving I have done the past several months has finally done some good as the guys in Florida are at least responding....now what about you folks in the rest of the South??

Mike Dalton, The Dalton Boys Audio Corral, 1840 Drew, Clearwater, FL 33515.

Equipment: two Finco FM-46 on stack about 20 feet at the store. Our favorite tuners are the old standby Marantz Model 120 and recently pleased with results from SAE mk 8 digital unit. All listings Tr unless noted.

## March 8

freq.	time	call	location	notes
97.1	11:19	WEZB	New Orleans, LA	relog--regular friend
99.1	12:22	WPMP	Pascagoula, MS	relog
101.1	12:32	WNOE	New Orleans, LA	regog--regular friend
93.7	10:53	WQID	Biloxi, MS	relog
95.5	11:02	WTVY	Dothan, AL	relog
105.3	10:41	WXEL	Slidell, LA	relog
106.7	10:43	WKMX	Auburn, AL	relog
101.9	12:52	WWL	New Orleans, LA	relog

also a whole slew of stations from FL Panhandle.

## March 10

88.5	10:28a.m.	WFDD (tent)	Winston-Salem, NC	very weak, piano music, Tr,ms
90.7	10:50	WFUV (tent)	New York, NY	symphonic music

## March 11

88.5	0900	UnID	NPR program	
90.5	1011	Radio Rebelde	Havana, Cuba	relog
87.7	1011	Channel 6	Havana, Cuba	relog

## March 12

88.5	1014	UnID	rock music	
88.5	1014	UnID	discussion program	
88.5	1014	UnID	piano music	
90.7	1530	WKGC	Panama City, FL	rock--10 watts, new sta.
103.1	1541	WQUH	De Funiak Springs, FL	relog

## March 14

97.1	1159	WEZB	New Orleans, LA	relog
101.1	1159	WNOE	New Orleans, LA	relog
102.9	1202	KQUE	Houston, TX	relog
107.7	1223	KWIC	Beaumont, TX	relog
106.9	1226	KNRO	Conroe, TX	relog
91.3	1530	KNCT	Killeen, TX	relog
93.7	1530	WQID	Biloxi, MS	relog
99.1	1535	WPMP	Pascagoula, MS	relog
99.9	1535	WKRQ	Mobile, AL	relog
101.1	1538	WNOE	New Orleans, LA	relog
102.1	1605	KLYX	Clearlake City, TX	relog--soul, rock music
105.3	1618	WXEL	Slidell, LA	relog
88.9	2000	WPFL	Winter Park, FL	rock, 10 watts, new sta.
101.9	1159	WWL	New Orleans, LA	relog
104.1	1614	KHOM	Houma, LA	relog

## March 20

94.5	1931	KLEF	Houston, TX	new, but very weak
94.5	1931	KELT	Harlingen, TX	relog

## March 22

90.1	1000	WEPR	Greenville, SC	relog
96.9	1015	WXTG	Charleston, SC	relog



SOUTHERN FM DX CONTINUED.

Mike Dalton, Continued.

March 22 Continued.

98.3	1019	UnID	rock music	
104.3	1037	WBBQ	Augusta, GA	relog
106.9	1040	WMIT	Black Mountain, NC	relog
95.5	2300	WLIN	Jackson, MS	new

also lots of relogs at home on MS, AL, LA area stations using only dipole antenna.

March 21

96.1	1015	WLPR	Mobile, AL	relog
96.3	1015	WJFR	Jackson, MS	relog
96.9	1017	WVMG	Cochran, GA	relog
96.9	1026	KSLI	Alexandria, LA	relog
97.1	----	WEZB	New Orleans, LA	relog
97.5	1041	WABB	Mobile, AL	relog
98.1	1043	WAFB	Baton Rouge, LA	relog
99.1	1045	KOFA	Houston, TX	relog
99.9	1046	WKRQ	Mobile, AL	relog
100.3	1047	KILT	Houston, TX	relog
100.3	----	KTLC	Lallas, TX	relog
101.9	1052	KNOE	Monroe, LA	relog
102.1	----	KLYX	Cleerlake City, TX	relog
95.1	1015	WQNZ	Natchez, MS	new station logging
102.9	----	WZZQ	Jackson, MS	very strong, relog
103.7	1101	WHER	Hattiesburg, MS	relog
104.1	----	KHOM	Houma, LA	relog
104.1	1104	KRBE	Houston, TX	relog
105.1	----	WAAZ	Crestview, FL	relog
105.7	----	KHCB	Houston, TX	relog
106.1	----	KREB	Monroe, LA	new station logging
106.7	1119	WKYV	Vicksburg, MS	relog
106.9	1121	KNRO	Conroe, TX	relog--strong signal
107.7	----	KWIC	Beaumont, TX	relog
91.3	1200	KNCT	Killeen, TX	relog
100.3	1200	KILT	Houston, TX	relog
101.1	1200	KLOL	Houston, TX	relog
102.1	1200	KLYX	Clearlake City, TX	relog
----	1200	WJDX	Jackson, MS	relog
106.5	1307	KUFO	Galveston, TX	new station "The UFO" IF
94.5	----	KSMB	Lafayette, LA	relog--strong
96.9	----	KSLI	Alexandria, LA	relog--strong
97.5	----	WABB	Mobile, AL	relog--strong
98.1	----	WAFB	Baton Rouge, LA	relog--strong
101.1	----	WNOE	New Orleans LA	relog--strong
101.9	----	WWL	New Orleans, LA	relog--strong
92.1	1515	WGOK	Fairhope, AL	new, over "local" in Venice
91.3	1659	KVLU	Beaumont, TX	new logging
89.9	1856	WWNO	New Orleans, LA	relog

Also received "jillions" of TX, AL, LA repeaters and finally wound up listening to WKRG (Mobile) until 2130.

March 24

100.7	1405	WHYI	Ft. Lauderdale, FL	new logging--WAAV off air 6 min.
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also weak Tr from AL, MS and others.

March 29

1000-1120, weak Tr from GA, MS and AL, just over FL borders.

Ken R. Simon, 528 Pilgrim Road, West Palm Beach, FL 33405.

March 15

1740	94.5	WDNJ	Daytona Beach, FL	\$--Met Opera	n 175
1802	100.3	WDIZ	Orlando, FL	\$ rock	r 150
1805	101.1	WCKS	Cocoa Beach, FL	\$	n 115
1810	102.3	WYRL	Melbourne, FL	\$ c&w	nt
1923	105.1	WBJW	Orlando, FL	\$	n 150
1925	104.7	WRBQ	Tampa, FL	\$ IF "Q-105"	n 165
1928	103.3	WUV	Bradenton, FL	\$ "music for 2 of us"	n 155
2110	94.1	WUFM	Lakeland, FL	\$-"Stereo 94"	n 155
2200	101.9	WHEW	Ft. Myers, FL	\$	n 105
2205	102.5	WQSR	Sarasota, FL	\$ rock	n 150

SOUTHERN FM DX CONTINUED.Ken Simon, Continued.March 16

0748	97.5	WPCV	Winter Haven, FL	\$ "Great American Country"	
0755	99.1	WQYK	St. Petersburg, FL	\$-c&w QYK	n 175
1035	100.3	WXOS	Plantation Key, FL	\$	n 120
1040	96.9	WINK	Ft. Myers, FL	\$	n 105
1045	94.9	WLCY	St. Petersburg, FL	\$	n 175

March 17

0530	100	UnID	(WDIZ?)	\$-"Rock 100"	
2040	103.1	WLMC	Okeechobee, FL	\$-c&w WOKC ID	n 60
2042	104.1	WRKT	Cocoa Beach, FL	\$-"Stereo 104"	n 115

Ken reports he got to use an AR-15 for a few days, adding "I'm sole, except for the price! Anyone have a used one for sale under \$100?"

By the way, Ken's last listing, WRKT also some times IDs as "Rocket Radio," as Cocoa Beach is "home" for Cape Kennedy Space Center. (ted)

Ted Fleischaker, 3023 Tremont Drive, Louisville, KY 40205.

I have just been at this editing job a few months, but this one has been the **worst** reception month I can recall. Just three new loggings here and those were at the beginning of the period--nothing much since April 1 and that's no April Fool!!

March 19

2045	101.9	WNES	Central City, KY	r music, ID
2100	96.3	WMTS	Murfreesboro, TN	ID

March 30

0005	90.1	WABE	Atlanta, GA	c music "Music in the night."
------	------	------	-------------	-------------------------------

Looks like that's about it from Louisville, City of the 70's....hope you all had a good Derby Day and watched the KY Derby on the tube....here had two stations on it as ABC had national rights and the local CBS station (WHAS-11) which has had it for years also got local rights, so they competed, except the actual race running, when WHAS (CBS) picked up the call and video from ABC!

Let's hear from you all next month and please do us a favor and check your reports for accuracy, like errors in call letters and dial positions. Good listening.

*This year - Vacation in  
Kentucky! 73s,  
Ted*



# WESTERN FM DX

EDITOR: ROGER S. HORIE  
P.O. BOX 784  
MISSOULA, MT 59801  
TEL: (406) 549-5365  
DEADLINE: 10th MONTHLY

MAY 1975

...Report...

...Support WTFDA

Dale Connolly, 7065 Cantaloupe Ave., Van Nuys, CA 91405 (Feb 23) (PDT)

Revox A76 Tuner: Winegard SC-650 @ 15 ft....

23 Tr 1245 KFBC 92.5 CA Sacramento, cl 390  
1302 KDKB 93.3 AZ Mesa, rock 375  
1310 KOOL 94.5 AZ Phoenix, rock 375  
1330 KNAV 96.9 CA Monterey, MoR 300

23 Tr 1400 KIOI 101.3 CA San Francisco, 375  
1430 KMOB 96.9 AZ Phoenix, MoR 375  
1545 KEAR 97.3 CA San Francisco, 375  
---many locals; short MS bursts:---

Note: DXing done from site in North Los Angeles county, 32 miles from home, using mountains to attenuate L.A. stations down to manageable levels. Equipment is in a camper, running from 100 A/H 12V battery & inverter. (Some people will do anything to overcome local interference.)

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228 (8 Mar - 8 Apr) (CST)

Allied 426; HalliCrafters SX-62 with International Crystal SAX-1 preamplifier(s); Archer V-100 antenna at 20 feet with rotor...(new underlined; new mode)

19 Tr 2305 KTRM 95.1 TX Beaumont, ID 275  
2315 KESI 107.9 TX Edinburg, ID, EL 215  
20 Tr 0129 KLOL 99.5 LA Lake Charles, ID 325  
0140 KUFO 106.5 TX Galveston, rock 225  
0145 KYKR 93.3 TX Port Arthur, c&w 280  
0844 KQXX 98.5 TX McAllen, ID 225  
0855 KFRD 104.9 TX Rosenberg, ID 170  
2040 KPFL 99.9 LA Lafayette, ID 395  
2322 tent WQUE 93.3 LA New Orleans 510  
21 Tr 0001 WXL 105.3 LA Slidell, soul 530  
0053 KSM 94.5 LA Lafayette, nx 395  
0100 WKXI 94.7 MS Jackson, ID 525  
0103 KYKR 93.3 TX Port Arthur, ID 280

21 Tr 0130 WONE 98.5 FL Panama City, 780  
(prior by Es) ID  
22 Tr 1201 WQNZ 95.1 MS Natchez, ID 450  
1202 KBPO 94.1 TX Beaumont, nx, ID 275  
1205 KTRM 95.1 TX Beaumont, ID 275  
1300 KJCS 103.3 TX Nacogdoches, ID 275  
2337 KYKX 105.7 TX Longview, c&w 310  
2356 KDNT 106.1 TX Denton, ID, 275  
"solid gold"  
2359 KOOI 106.5 TX Jacksonville, 260  
ID, // KREB  
26 Tr 0112 KSM 94.5 LA Lafayette, ID 395  
0130 KRAL 98.1 TX Texarkana, //KCMC

Some good trop this period, but only new catches (other than new mode on WONE) were in-state variety. I think this was the first March I didn't note any FM Es since 1971.

Danny Buntin, 1020 S. Duncan, Stillwater, OK 74074 (16 Jan - 23 Mar) (CDT)

16 Tr 1901 KWNS 93.1 KS Pratt, nx, ID  
1917 KGLC 100.9 OK Miami, ID, EL  
1920 KPCG 102.5 MO Joplin, \$  
16 Es 1650 WJMI 99.7 MS Jackson, wx  
22 Tr 2317 WQXY 100.7 LA Baton Rouge, ID

22 Tr 2321 KADL 94.9 AR Pine Bluff, ID  
2331 KCMR 100.3 AR Jacksonville, ID  
2354 WMC 99.7 TN Memphis, rock  
2357 KOSY 102.5 AR Texarkana, s/off  
23 0010 WBEI 105.9 TN Memphis, EL

Steven C. Wiseblood, 707 Loma Way, Santa Maria, CA 93454 (9 Mar - 6 Apr) (PDT)

Pioneer SM-4300B and Finco FM-4G at 20 feet with Finco 65-7 booster.....

9 Tr 1553 KNJO 92.7 CA Thousand Oaks, \$ 93  
10 Tr San Diego-Tijuana in strong  
11 Tr 1628 KOWN 92.1 CA Escondido, \$ EL 220  
12 Tr 2015 KPFA 94.1 CA Berkely 230  
KRON 96.5 CA San Francisco, EL 228  
2033 KALW 91.7 CA San Francisco, nx 228  
2038 KSN 94.9 CA San Francisco, \$ 228  
14 Tr 1333 XHIS 90.3 Tijuana BC, \$ soul 245  
"FM-90" (new format)  
15 Tr 0858 KBFB 89.1 CA Santa Rosa, SS nx 274  
0915 KWTY 100.7 CA Salinas, \$ EL, ID 135  
0934 KLRB 101.7 CA Carmel, \$ RR 130  
Es 2003 KNFM 92.3 TX Midland, \$ MoR 1066  
17 Tr 1758 KWTY 100.7 CA Salinas, \$ EL, ID 135  
1806 KSOL 107.7 CA San Mateo, \$ soul 214  
1817 KALW 91.7 CA San Francisco, nx 228  
18 Tr 1609 KYA 93.3 CA San Francisco, RR 228  
1610 KPFA 94.1 CA Berkeley, jazz 230  
1621 KRON 96.5 CA San Francisco, EL 228  
1622 KEAR 97.3 CA San Francisco, \$ 228

18 Tr 1639 KERG 105.3 CA San Francisco, \$ 228  
19 Tr 1305 XHIS 90.3 Tijuana BC, \$ soul 245  
XHIS 104.5 Tijuana BC, \$ 245  
SS/Latin nx  
1826 KUOP 91.3 CA Stockton, NPR 220  
20 Tr 1043 KAGB 103.9 CA Inglewood, \$ soul 145  
1052 KALW 91.7 CA San Francisco 228  
1659 KLRO 94.9 CA San Diego, nx 230  
21 Tr 1546 XETRA 91.1 Tijuana BC, \$ EL 245  
28 Tr 1745 KUTE 101.9 CA Glendale, \$ soul 135  
29 Tr 1910 KPMB 100.7 CA San Diego, \$ RR 230  
1947 KAPX 107.9 CA San Clemente, \$ EL  
30 Tr 1423 KALW 91.7 CA San Francisco 228  
1 Tr 1622 KXLU 88.9 CA Los Angeles, RR 135  
1624 KGSN 88.5 CA Northridge 115  
KPCS 89.3 CA Pasadena, talk 135  
1625 unID 89.1 CA? rock, (KUOR?) 190  
2 Tr 1151 KUUL 92.1 CA Madera, \$ EL 145  
2115 KWTY 100.7 CA Salinas, \$ EL 135

There has been a fair amount of trope on FM this month. FM Totals now 269 with 132 by Es and 129-California. 18 states. 73's



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 12th of month

MAY 1975

Perry Ferrell, Gilfer Associates, Inc.; Box 239, Park Ridge, NJ 07656 sent along a note regarding some telemetry transmissions from a Spanish satellite "INTASAT" (which was launched along with Oscar 7 last fall). Though not personally heard, the signals on 40.010 and 41.010 MHz might be present 10-15 minutes during favorable passes of its 90-minute orbit.

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 GMT; QSLed

<u>10-17:</u> 0129, N5256L	118.1	s Andrews AFB, MD (Higham Co., Inc.; Piper PA-28-180)
<u>11-30:</u> ----, N4730	134.0	NY City (National 492; 727; 25 watts)
<u>12-7:</u> 2056, N9722Q	119.7	ov Annapolis, MD (Allen, Mitchell, & Co.; Beechcraft Musketeer C-23, 1-eng, 4-seat)

Ken Simon, 528 Pilgrim Rd., West Palm Beach, FL 33405 sent along some info from Richard Clark from the latter's mid-March 1975 trip into the Dominican Republic; hand-held portable, / or - .5 MHz; STL's exc. beacon

161.0 Onda Musical, Santo Domingo	173.0 R. Exitos, Santiago
164.0 R. El Mundo, Santo Domingo	174.0 La Voz del Atlantico, Puerto Plata
152.0 R. Amistad, Santiago	
163.0 Ondas del Yaque, Santiago	115.0 P-T, beacon, Puerto Plata

Paul Petosky in MI sent additional information on KIG 66, 162.55 MHz, Marquette. This NOAA weather station employs a special tone-alert system with a 1050 Hz for 3-5 seconds to activate specially-equipped receivers so that severe weather messages will be noticed; weekday noon tests of the system are conducted, except when conditions have a weather warning in progress or imminent.

Now, my loggings; Hallicrafters SX-62 with two 30' long-wires at 12' (nw-se & ne-sw runs) all are F2 unless noted with daily peak MUF noted GMT used

<u>3-13:</u> 1930, 36.45	19: 1920, 36.45	2: 1822, KSJ 815 (Es)
2113, BBC	<u>24:</u> 1915, 36.45	1836, KQC 877 (Es)
<u>14:</u> 2000, 37.000	<u>25:</u> 1505, L Ang-a (Es)	<u>8:</u> 2110, 38.85
<u>16:</u> 1930, 37.46	1535, KMA 829 (Es)	<u>9:</u> 2035, 42.42
<u>17:</u> 1720, 32.96	1540, L Ang-b (Es)	<u>10:</u> 0035, KDN 402 (Es)
<u>18:</u> 0133, KME 438 (Es)	<u>27:</u> 1845, 36.15	KAH 661 (Es)
1655, ditto	<u>28:</u> 1825, 36.90	2205, 34.34
1702, L Ang-b (Es)	<u>30:</u> 2000, 32.96	<u>11:</u> 2032, 36.55
2010, 42.30	<u>4-1:</u> 2010, 33.10	<u>12:</u> 2135, BBC
<u>19:</u> 1525, L Ang-b (Es)	<u>2:</u> 1758, KQD 313 (Es)	2218, 37.000

KAH 661 35.22 Minneapolis, MN	KQD 313 35.50 Dayton, OH
KDN 402 35.54 Omaha, NE	KSJ 815 35.22 Fort Wayne, IN
KMA 829 35.58 San Diego, CA	L Ang-a 35.38 Los Angeles, CA-mp
KME 438 35.22 Orange, CA	L Ang-b 35.46 ditto
KQC 877 35.-- Cincinnati, OH	BBC 30.52 Ascension Island-ha

ha-h.f. harmonic; mp-mobile phone; rest are tone (A2) pagers

old ID, "IUIN" 110.3 Quincy, IL (ILS) via Es evening Jun 9, 1972  
(tnx Holbrook info) on tape 1920-1930 cst

Up-to-date solar fluxes etc when space permits.

73, Pat

WA5IYX



# PS SPECTRUM

Terry Colgan  
8120 Ripplewood Drive  
Austin, TX 78758

Welcome to the third installment of "PS Spectrum." Before getting into this month's column, I'd like to thank Ken Simon and Don Erickson for responding to my request for publications.

## SCRAMBLERS

The increased availability of low cost monitor receivers has caused many police and sheriff's departments to employ some type of voice privacy system. The technique used in these systems is the encoding of voice transmissions at the transmitting end and decoding them at the receiving end.

Most scramblers fall in one of two basic categories:

**Inversion Scramblers**--Simply invert the voice frequency bands so that frequencies at the low end of the band are converted to frequencies at the high end and vice versa. At the receiving end the frequencies are reinverted for intelligible reception. Inversion scrambling sounds very much like SSB received on an AM receiver.

**Band Scrambling**--The 300-3000 Hz voice frequency range is broken into a number of narrow sub-ranges. These sub-ranges are then interchanged in a preselected manner. The receiving equipment rearranges the sub-ranges in the proper order.

Equipment is also available which combines both inversion and band scrambling in one device.

A number of manufacturers offer a series of devices which employ digital encoding techniques. Mini-computers are employed as scramblers and descramblers. To the unaided ear, these signals sound like a series of musical tones transmitted very rapidly.

Inversion scrambling is the least expensive and least secure of the four methods, but is still widely used. Digital encoding offers the greatest security because of the large number of codes, but is the most expensive.

## EQUIPMENT

If one of your local agencies uses inversion scrambling, and if you'd like to know what they're talking about, check the Sep-Oct '72 issue of Elementary Electronics for an easy-to-build descrambler. If you can't find the issue, you'll want to write Krystal Kits (P.O. Box 445, Bentonville, AR 72712) as they have plans for the project. You'll probably end up writing them anyway since they have a complete kit of parts for the descrambler, as well as three assembled units of varying complexity.

PDQ Electronics (P.O. Box 841, North Little Rock, AR 72115) also has an assembled inversion descrambler which might meet your needs. Their unit allows you to use the speaker in your receiver for both normal and scrambled messages.

## PUBLICATIONS

CRB (P.O. Box 56, Commack, NY 11725) has announced an updated edition of its metro NY/NJ directory called NY-7. The listing includes an extensive section on the NYC agencies, including division-use data for most NYPD UHF channels. Unfortunately, I've lost my copy of NY-6 so I can't compare the two. However, if their information is correct, this directory may be the only way you'll ever sort out the UHF hodge-podge in the NYC area.

CRB has also produced the first in a series of industrial communications directories--**FLIGHTCOM 1**--listing approximately 650 commercial aviation stations which can be heard on ordinary VHF/UHF monitor receivers. Unfortunately, coverage is rather spotty, but if you have a few extra "holes in your scanner and are interested in another phase of aero DXing, this directory may be just the thing for you.

Price for either directory is \$3.00 postpaid.

## CORRECTION

I've been informed that 158.79 MHz is not used for intercity communication in Arizona. 39.18 MHz is evidently still used as both the common PD and intercity channel. If you have a copy of CRB's USA-7 directory, please delete the listing.

DOMESTIC PUBLIC RADIO SERVICE

Although the "DPRS" is divided into a number of subservices, only two are of any real interest to the VHF/UHF DXer:

**Domestic Public Land Mobile RS--**Utilities which provide public landline-radio telephone services to mobile/portable units, and one-way signaling communications.

As you might guess, this service contains some of the DXers favorite stations--mobile phones and radio pagers. Look for features on these stations soon!

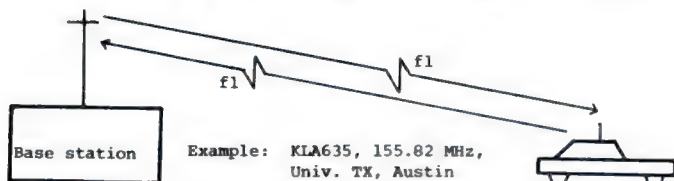
**Rural RS--**Utilities which provide communications services (which cannot be provided by wireline) between a central office and rural subscribers by telephony, telegraphy or facsimile; or between a landline central office and different exchange area branch stations.

In the July column, we'll examine the Land Transportation Radio Service.

RADIO SYSTEMS (Part 1)

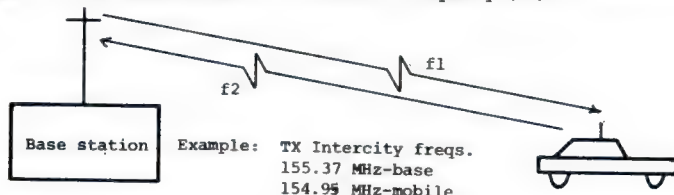
Radio systems differ by the number of frequencies used to provide a base-mobile channel, by the number of two-way channels in the system, by whether system operation is simplex or duplex, and by whether or not repeater stations are used.

Single frequency simplex is presently the most widely used two-way system. It requires the least radio spectrum space and is the most economical to purchase and operate. With this system, the base station and mobile units transmit and receive on the same frequency (f1).



As you can see, only one user (base or mobile) can transmit at any one time; multiple transmissions usually interfere with one another. When listening to a monitor receiver, you can hear both sides of the conversation only if both users are within range.

Two-frequency simplex is similar to the single system except that the base station broadcasts to mobile units on one frequency (f1) and mobiles transmit to the base station on a different frequency (f2).



This system prevents base station transmissions of one department from interfering with the mobile units of another when they are nearby and share the same frequency. A disadvantage is that mobile units cannot hear each other's transmissions, and you can't hear both sides of the conversation unless you have two receivers or a scanner with crystals for both f1 and f2. Naturally, both the base and mobiles have to be within range of your antenna.

That's it for this month; see you in July!!!

TC



ANSWERS TO THE FM QUIZ  
(Quiz found p.8 )

1. Juneau, Alaska; Pierre, South Dakota; Montpelier, Vermont; and Olympia, Washington.
2. Pierre, South Dakota, and Montpelier, Vermont.
3. WJPM Grand Rapids, Michigan, with 470 kilowatts of power (ERP) on 93.7 mhz with an AHAAT of 780 feet. A handful of stations in the post-World War II era ran as much as 500 kilowatts, but these are long deleted or reduced power.
4. WUCM Ann Arbor, Michigan, has 230 kilowatts ERP on 91.7 mhz with an AHAAT of 470 ft.
5. WNIC DeKalb, Illinois, has that dubious distinction; it was originally licensed in 1954 on 88.1 mhz, moved to 91.1 before 1957, to 89.7 in 1964, to its present 89.5 after having moved to 90.9 in 1968. Originally a ten-watter, it now runs 50 kw. and the call is now WNJU.
6. Simplex. The FCC had condemned it in 1950, then permitted it in 1955 at the nadir of FM growth, ordered it moved to a multiplex SCA in 1957, but delayed the deadline until about 1964.
7. WTMF-FM Tomah, Wisconsin; it was first granted a permit for 98.9 mhz in 1960 with an ERP of 19.5 kw; a second discrete permit was issued in 1961 for 17.5 kw; and, following a third application, the present one was granted in 1964.
8. North Dakota; KRSS 88.1 mhz on an Indian reservation was deleted last spring.
9. KUT-FM Austin, Texas, for the University of Texas. Originally KUT (AM) was licensed on 1500 kcs. with 100 watts of power, fulltime.
10. Connecticut, Delaware, and Rhode Island, as well as the District of Columbia, have long exhausted their commercial allocations. Several other states are approaching the zero count.
11. Puerto Rico; the FCC is considering rule-making either to continue such special authorization for such programming on its main channel, or require it moved to the SCA channels.
12. Utah, and chiefly to Salt Lake City stations KSL-FM and KALL-FM.
13. W2XMM/WFMN Alpine, New Jersey, on 93.1 mhz. Major Edwin H. Armstrong, the developer of FM, built the station to prove to skeptics of the thirties that FM was a viable broadcast medium. It operated first on low band, then on 93.1 mhz, from 1939 to 1954, shortly after Major Armstrong committed suicide. A report in VUD says that its 400-foot tower is now being used by WFDU(FM) in Teaneck, New Jersey.
14. The oldest continuously operating station is WDRC-FM 93.7 Hartford, Connecticut; it was originally W65H and later WIXPW and came on in May, 1939, on 46.5 mhz. About the same time the old Yankee Network of New England built W39B atop Mount Asnebumskit outside Worcester, Massachusetts, on 43.9 mhz. It later became WGTR and operated on 99.1 mhz until 1953.
15. The oldest educational FM station--which claims impossibly to have been authorized in November, 1938--is WNYE now 91.5 mhz, Brooklyn, New York, licensed to the Board of Education. Originally W2LNY on 42.1 mhz, its claim of date conflicts with the certain date of Armstrong's foundation. Other ancient educations include second-in-line KALW San Francisco now 91.7 mhz and originally 42.1 mhz also, and third-in-line WILL-FM Urbana, Illinois. This University of Illinois station was originally licensed in 1941 on 42.9 mhz as WIUC; in 1954 it adopted its present call. Frequencies shifted from 91.7 to 89.9 to the present 90.9. The fourth oldest is WBEZ Chicago, also licensed to the Board of Education. Built in 1943 on 42.5 mhz, it later moved to 91.5 mhz.
16. KTXN-FM of Victoria, Texas. Originally licensed in 1964 for 92.1 mhz with 3 kw, ERP and 130 feet AHAAT, it changed to 95.1 in 1968 and moved to the present 98.7 with 40 kw ERP and 155 feet AHAAT the following year. The other channels have since remained vacant, though 95.1 now has an application, and a petition before the FCC seeks to have 92.1A replaced with a more competitive 107.9C.

# FM QSL CORNER

Editor-Greg Kelley  
181 Hurst Avenue NE,  
Roanoke, Virginia 24012

FL DAYTONA BEACH WDNJ 94.5-sent card for WNDK with hand written note for FM. v/s looks like RONALD L. KACHER. (KRS)  
ORLANDO WBJW 105.1-ltr from DON ANFLIN, ce in 5 days. (KRS)  
ltr dated 19 March '75...postmarked 18 March '75 !!  
PLANTATION KEY WXOS 100.3-(Box 223, Tavernier, FL 33078) ltr w/xerox of rpt in 1 week. WILLIAM B. ZAMMIT, ce. (KRS)

NJ ZAREPHATH WAWZ 99.1-ltr from JAMES M. PEARSALL (SS)

NY BABYLON WBAB 102.3-ltr from JOHN BLAKE, ce. (SS)  
GARDEN CITY WHPC 90.3-ltr from STEVE GRECO (SS)  
GREENVILLE WCWP 88.1-ltr from WILLIAM MOZER (SS)  
MT. KISCO WRNW 107.1-ltr from MARK P. GUIDOTTI (SS)  
NEW YORK WBLS 107.5-ltr from BOB SCHUSTER, ce (SS)  
" " WGBS 101.1-QSL Card...no v/s (SS)  
" " WNBC 97.1-QSL Card from R. WEISS (SS)  
" " WNYU 89.1-ltr from ERIC RIBACK (SS)  
" " WQIV 104.3-verie on rpt. THOM O'LVAIR (?) (SS)  
" " WTPM 103.5-ltr from Larry STASSER, ce (SS)  
PATCHOGUE WBLI 106.1-ltr from JAY MITCHELL (SS)  
PEEKSKILL WHUD 100.7-ltr from NAT JOHNSON, ce (SS)  
POUGHKEEPSIE WSPK 104.7-ltr from LEIGHTON M. NICKERSON, ce (SS)

RI WESTERLY WERI 103.7-ltr from CARL GRANDE (SS)

W.VA. MORGANTOWN WAJY 101.9-inspecific ltr (but friendly) from JIM MURPHY, ce. says he is sorry for delay and will try better next time. Says they are going to build higher tower for FM with new circular polarized antennas. about 1 year for verie. (AE)

Contributors for this month.... KRS-Ken Simon, West Palm Beach, FL.  
SS-Steve Sprachman, Seaford, NY... AE-Al Ellis, Brantford, Ontario, Canada.

MAILBAG I received a nice tape recording from AL ELLIS as we exchange tapes every so often. Ken Simon send me a newspaper clipping (5x12) of 10 girls in bikinis!! Poor Ken....sometimes I wonder about him.... The girls were from a college in Staunton and Ken wonders if I knew any of them. No...sorry to say I don't...sure wish I did!!

Below is a photo of the QSL sent by Paul Petosky of WQXO-FM..Paul signs the verie and is most happy for reports. Thanks Paul, for sending it.

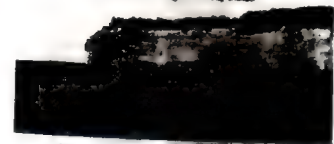
WGON-AM  
1400 KHz

WQXO-FM  
96.3 MHz

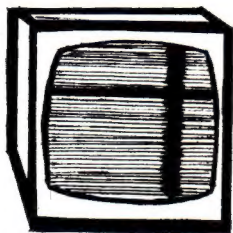
Box 100  
Manning, Michigan 49668, U.S.A.

73s until next month...

*Greg*







# TV CCI

Frank Aden, Jr.  
448 NE Olney Ave  
Bend OR 97701  
May 1975

Deadline 10th  
of the month

I just received word from the postal authorities in Larder Lake Ontario that Northern TV Guide has folded. If anyone can supply schedules of stations that were in NTVG could you please send me a copy. Les Frus sent me some unpublished units so I list them this month.

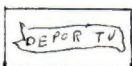
Deadline 10th of the

John Gould RR#3 Kokomo, Ind. 46901 1974 units

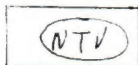
Fri Aug 9 Es ch 3 1800-1930 EDT--Slide "c" shown several times during 90 min. Also ided as "b" (NTV) and "a" (depor tv). "d" XIV upper left, may not have been call slide. "e" shown during news. PTA: SE from Kokomo.



e



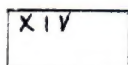
a



b



c



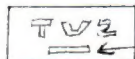
d

Thu May 23 Tr ch 39 0555 EDT--Toward Texas. Color bars & tone. Could be res. chart.

Chuck Sampson 1025 14th Ave A, Orion, IL 61273 1974 and 1975 units

Tue Nov 12 MS ch 2 0525 CST--"I Dream of Jeanie" PTA E or SE

Thu Nov 14 MS ch 2 0535 CST-- ID slide



Call  
or City

Tue Nov 19 Tr ch 3 0130 CST--No video, Micro-Relay KUT 77. Announcer Bob Brown  
PTA W or SW.

Fri Dec 13 MS ch 3 0538 CST--Davey and Goliath. PTA SE  
Tr ch 4 0545 CST--TP Suspect Detroit



Sat Dec 14 MS ch 4 0355 CST--Full CB. PTA W

0615 CST--3/4 CB with data supered over middle of screen; much like a newscan station. PTA SW

Sat Dec 14 MS ch 3 0555 CST--CB unlike anything I've seen before; consisted of just 3 large bars covering entire screen. PTA SW

Mon Dec 30 Tr ch 35-37 1705 CST-- "Bewitched". PTA SE

ch 61-62 2345 CST--"Intouchables"; Chattanooga? Detroit?

Fri Jan 3 Es ch 2 1505 CST--KS: NBC promo; suspect Anaconda MT. ( MT TVG does not list it, I doubt it is on, PTA) could be KCTV.

Es ch 2 1533 CST--"Judd for the defense" PTA W

Thomas J. Yingling, JR. 221 Pinewood Road Baltimore MD 21222

Weekdays Dec 74 MS ch 2 0130 EST--"I Spy" PTA ?

Jim Pizzi 300 Park Orcutt CA 93454 1974 units

Sat Apr 27 Es ch 2302 CST--SS movie "Ultima Funcion" 1940's MS Cary Grant Movie with English audio and SS subtitles.

Sat Jun 1 Es ch 6 1701 EDT--Wildlife program 1700-30. CBS news 1730 on. Offset + ( zero offset with KSBY) could be KTVC TVG shows film at 1700. TVG shows Porter Wagoner at 1700 for KCTV.

TV-CCI (unidentified DX)

May 1975

Ken Simon 528 Pilgrim Rd. West Palm Beach FL 33405 1974 unids

Thu Nov 22 (73) MS ch 3 0606 EST--Slide or TP



Thu Mar 21 Tr ch 8 0653 EDT--Cuban station parallel to Holguin ch 3 programming.  
(Tele-Rebelde?)

Wed May 1 Es ch 2 1853 EDT--Slide opening to TX. Not WMAR, WCBS, WKTV, WUSH, KPRC.

Thu May 23 Tr ch 11 2100 EDT--Cuban station, ICR-6 network.

Fri Jul 12 Es ch 5 1459 EDT--Ad for Arcade Furniture while local was off for 5 min.  
not NBC. No PTA

Sun Jul 21 Es ch 2 1219 EDT--Unided 3/4 CB (7-2 1/2-5). Not WTHS.

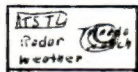
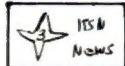
Sat Jul 27 MS ch 5 0610 EDT--Unid movie. Antenna north.

Steve West 432 Kenmore Rd. Havertown PA 19083 1974 unids

Mon May 13 Es ch 2 2024 CDT--Slide, Tornado Watch. PTA MO (probably KCKT)

Es ch 2 2058 CDT--KSN News. Definitely KCKT.

Fri Jul 14 Tr ch 70 0905 EDT--From s-sw "New Zoo Revue"



Steven C. Wiseblood 707 Loma Way Sanata Maria CA 66502 1974 unids

Sun May 12 Es ch 2 1850 MDT--NBC Adam-12. PTA Mountain States? KTWQ?

Thu May 23 Es ch 2 1845 MDT--CBC-tv's "That Girl". PTA AT, SK, BC

ch 5 2045 PDT--CBS Waltons. Has to be Pacific NW. Suspect: KOB1 but  
maybe KFBC, KFBB. (KOB1 did have the Waltons at that  
time but don't know about KFBC or KFBB)

Wed May 29 Es ch 4 1748 CDT--TP until 1807 then slide reading "Buenos Dias"  
followed by "Cine Verdad" movie. PTA Mexico.

Sat Jun 1 2Es? ch 2 1415 EDT--Program on boating and motorboat equipment, town of  
"Manning" mentioned in ad for boats. Prime suspect:  
WCBD? Charleston, SC?

Sun Jun 2 Es ch 5 2248 CDT--"Johnny Carson" Sunday Night Rerun Show. PTA ND, KFYY?

Sun July 28 Es ch 2 1229 MDT--CBC Newfoundland production-game show, titled "Reach  
for the Top". PTA: AT, SK, (CFCN had it at that time)

Sun July 28 Es ch 4 1208 PDT--"Hee Haw" PTA: OR, MT, WI, CO, Canada. (TVG for all areas  
listed does not show Hee Haw, FEA)

Paul Traska 64 Weaver Ave Buffalo NY 14206 1974 unids

Wed Jun 5 Es ch 5 2124 EDT--Billy Graham Crusade. Alexandria?

ch 5 2230 EDT--ABC, Doc Elliot.

ch 6 2345 EDT--Spanish station. Program with four men Talking. WDSU was  
in at 2124. Nuevo-Leon Monterrey?

Joseph A Markewicz CDN Forces Station Alsask, Alsask, SK SOLOAO 1974 unids

Fri Jun 14 Es ch 3 1800 CDT--End CBS news, start Eyewitness News. PTA WI, IL.

ch 3 1800 CDT--"Cinema 3" begins-call "W----". PTA: WI, IL.

Sat Jun 22 Es ch 2 1700 CDT--"Star Trek". PTA: KS, MO

ch 3 1935 CDT--"Emergency". PTA: KS, MO.

Tue Jun 25 Es/Tr? ch 4 1750 PDT--Network news 1800, Eyewitness News with Jay Crowlin,  
Terry Gale, Gary Anderson.

Tue Jun 25 Es/Tr? ch 4 1900 PDT--"Adam 12"

Tue Apr 30 Es ch 2 0035 MDT--"Untouchables". PTA West Coast. KTWU?

ch 2 0040 MDT--Movie "39 Steps"

ch 2 0100 MDT--"TV 2" News Slide

ch 2 0110 MDT--"TV 2" Sports Slide



Joseph Markewicz Continued

Tue Apr 30 Es ch 2 0035 MDT--S/OFF (two stations simultaneously). Not KCAI (Off at 0115)  
 One had instrumental SSB, other "America The Beautiful"  
 One was CBS, the other was NBC.  
 Fri May 24 Es ch 2 2000 MDT--"Brady Bunch" PTA: CA KNXT seen.  
 Sat Jun 8 Es ch 2 1900 CDT--"Emergency". PTA: KS,MO. KOKT seen at 1900.  
 Sun Jun 9 Es ch 3 1100 CDT--"World Tomorrow". PTA: KS,MO  
 ch 4 1100 CDT--"REX Humbard". PTA: KS,MO  
 ch 4 1130 CDT--"Dating Game". PTA: KS,MO

David Egan 12A Andrew Valleyfield Que 1974 unids

Fri Jun 7 Es ch 4 1037 CDT--Cartoons. PTA: NE,OK,TX (his report only indicates reception of NE at the time)  
 Tue Jun 11 Es ch 5 1301 EDT--"On The Scene News" (logged KSD and KYTV a few minutes previously; nothing checks in Glenn Hauser's "Televisionews" features)  
 Fri Jun 14 Es ch 5 1915 EDT--Coverage of local aerobatics show (probably a live local special). PTA: AL,FL.  
 Sat Jun 15 Es ch 4 1201 CDT--"Right On" program w/Carolyn Tucker. PTA: TX,OK,LA (he logged KDFW-4 at 1200 CDT, calls it his most distant ch 4 so far, and this would appear to be high priority for him as it could result in another TX ch 4 logging; KDFW-4 is the only stn from that state he's seen so far)  
 ch 5 1239 CDT--Wrestling (Tentative KOCO-5 @ 1235 CDT)  
 ch 4 1249 CDT--"Garner Ted Armstrong" (he comments: "any of you on the PLAIN TRUTH mailing list who could help, please write! Suspect TX")  
 ch 4 1326 CDT--"Garner Ted Armstrong" (He apparently had a positive ID from WKY-4 @ 1312 CDT which presumably rules out that possibility)  
 Wed Jun 26 Es ch 3 1109 EDT--"It's Your Bet" game show (syndicated?). PTA: NC,SC.  
 ch 4 1305 EDT--"Dick Van Dyke" plus offset (he saw WHPF-4 @ 1253 EDT, and WTVY-4 @ 1322 EDT; WHPF-4 is plus, could well be them again)  
 ch 4 1319 EDT--Syndicated "Concentration" minus offset. Multiple clouds give two PTAs as above.  
 ch 4 1346 EDT--"Andy Griffith" (PTA not given, but it wasn't WDAF-4 or KSNE-4 according to his loggings, as they had been seen a few minutes previously; maybe KTIVO)  
 ch 4 1637 EDT--ABC "Split Second" delayed (two different PTAs indicated by his loggings: South Central US--TN,MS etc.--or SK, WSM-4 seen at 1545 CDT, CKCK-2 @ 1520 CDT. It seems unlikely that the Canadian possibilities would be carrying "Split Second", even delayed.)

73's Frank

# WORLDWIDE TV-FM DX ASSOCIATION

WTFDA  
HEADQUARTERS:  
P.O. BOX 163

SERVING THE  
VHF-UHF DX  
ENTHUSIAST

DEERFIELD, IL  
60015  
USA



DUES: USA and Canada, \$9.00; Overseas, \$18.00(AIR)

The VHF-UHF DIGEST is the monthly publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs.

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VUD Back Issues.....	(1973) May through December (1974) All issues available Mailed 1st class or book rate.	75c each 4 for \$2.50 10 for \$5.00
FM Atlas and.....	An accurate and detailed FM listing Station by Dr. Bruce F. Elving, FCC FM column Directory editor. Latest edition available.	3rd Class Mail \$2.50, 1st Class \$3
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DX Column.....	For reporting to the various DX Report Forms columns in the VHF-UHF Digest.	Free for a SASE
Beyond Shortwave.....	An introduction to TV, FM, and V-UHF radio DX. Written by Glenn Hauser, Bruce Elving, and Terry Colgan, with artwork by Harry Hayes. 31 pages.	\$1.00
UHF Translator.....	A complete listing of all UHF trans- DX Guide lators operating in the United States. Includes call, location, power, and originating station. Also features a section on "DXing the Translators" by Robert B. Cooper, Jr. 28 pages.	\$2.00

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